MEETECH
INDUSTRIES

ONE STOP SOLUTION FOR EOT CRANE COMPONENTS

ROBUST | SAFE | RELIABLE

www.meetechindustries.co.in

ABOUT US

IMAGINE ▶ DESIGN ▶ PRODUCE ▶ SUPPORT

Meetech Industries, headquartered in Mumbai, is a specialized manufacturing company committed to delivering a comprehensive range of engineered components for EOT cranes to both Indian and international market.

Founded in 2015, **Meetech Industries** is backed by nearly four decades of expertise through its association with **HN Industries**, one of India's most trusted names in the material handling solutions. Since 1980, **H N Industries** has been a trailblazer in the fabrication of customized components, including bridge girders, cabins, hoisting trolleys, wheel assemblies, etc for the EOT cranes.

Meetech Industries was founded with a commitment to offering robust and innovative components at competitive prices for both the assembly of new EOT cranes and spares for existing ones. At **Meetech Industries**, we prioritize our customers, enabling them to select the ideal products for their needs. To fulfill this commitment, we deliver exceptional customer service and high-quality products, striving to become the preferred partner for material handling solutions.

SAFETY - FIRST CULTURE:

We foster a work environment where every individuals is trained prioritize safety in every action.

QUALITY ASSURANCE:

At **Meetech Industries**, we are more than just manufacturers; we are creators of excellence. As an ISO 2001:2015 certified company, our operations are driven by a commitment to deliver products of unmatched quality. Servoing diverse industries, we pride ourselves on innovation, precision and reliability in everything we do.

Our R&D department is dedicated to address the evolving challenges of modernization and the ongoing expansion of our product range to meet the dynamic needs of our customers. Our quality assurance specialists perform meticulous testing at each stage of the manufacturing process to guarantee adherence to superior quality standards.

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01 OPERATOR CABINS

Advantages:

Cabins in overhead cranes provide operator with a bird's-eye view of the worksite, significantly improving both personnel and machine safety. This elevated perspective allows the operator to better assess obstacles on the shop floor, offering greater control and visibility compared to operating the crane from the ground using a radio remote control or pendant.

Applications:

EOT Cranes | Tower Cranes | Mobile Cranes

Excavators | Ship Unloaders

AIR CONDITIONED CABINS

Special Features:

- All the structural steels are as per IS-2062 grade.
- Fabrication Process is carried as per approved WPS and by qualified welders.
- Operators entry to Cabin can be from Left / Right / Back / Top side as per requirement.
- For AC cabins, we use tightly sealed, double-glazed safety glass with toughened clear panels. (6mm clear glass + 12 mm air gap (nitrogen gas) + 6 mm clear glass).
- Blast-resistant glass is available as an option.
- Dual-wall construction with glass wool insulation for enhanced heat resistance in AC cabins.
- Air conditioner unit / cabin fan / exhaust fan / indicating light / gong bell are optional.
- The air conditioning system in the cabin is available with options including Customized Industrial AC, Commercial Split AC, or Window AC.
- For non AC Open and Closed Cabin 6 mm Safety Clear Toughened Glass.
- For Open Cabin with glass / without glass, with wire mesh / without wire mesh. (Options).
- 180 degrees aerial view.
- Conduit-based wiring is supplied.
- Silicon wipers for ease of cleaning of front glass
- Sturdy hand railing and maintenance platform.
- For crane operation joystick type master controller with stand / armchair master controller / sheet metal master control / aluminium master control / combo box can be provided as per design.
- Arms chairs (if applicable) are ergonomically designed with foot switch and swivelling motion.
- Junction box with plug sockets.
- Co2 Fire extinguisher for fire protection with portable stand.
- LED light for internal visibility.
- Light Distribution Board with MCB as per requirement.
- Document / mobile / helmet / bottle holder.
- Mobile charging socket.
- Insulating carpet.
- Sun Vision / Tinted Glass
- Heavy Duty Door Lock
- Hydraulic Operated Windows

 # Custom-built according to your drawing also

NON AC CLOSED CABINS






OPEN CABINS



 # Custom-built according to your drawing also

02 ARM CHAIR FOR OPERATOR'S CABIN

Master Control Chair with Joystick:

A specialized chair in the crane cabins that features a joystick for managing crane operations including hoisting, cross travel and long travel.

Application:

Commonly utilised in EOT cranes operator cabins, Tower cranes, Level Luffing cranes, Mobile cranes, Excavators.

Special Features:

- Ergonomically designed comfortable chairs with the mechanical pneumatic suspension for weight and height adjustments.
- Provision of adjustments for backward, forward, up & down, tilting and reclining back rest.
- Hand rest with position adjustment and seat belt.
- 180 degrees foot operated swivelling motion with stopper arrangement to lock the position as per convenience.
- Storage locker below the armchair.
- Powder coated CRCA parts.
- IP 54 protection for electrical console.
- Reputed make switches like Siemens or equivalent.
- Cable entry is from the base.
- Foot switch for siren.

Optional:

- Audio amplifier speaker with mic
- HMI screen with stand
- Mobile stand
- Mobile USB socket
- Water bottle stand

 # Custom-built according to your drawing also

03 E - HOUSES

An E-House is a specially designed and fabricated enclosure that houses electrical equipment, drives, and computers for heavy machinery. Constructed with a heavy-duty steel body, it provides a cool, dust-free, and water-resistant environment. The interior layout is custom-designed for optimal equipment placement and functionality. Additionally, the double-walled structure with glass wool insulation ensures temperature control within the cabin. E-Houses are commonly used in EOT cranes, steel rolling mills, foundries, conveyors and more.

 # Custom-built according to your drawing also

04 CONTROL PANELS

The control panel of an EOT crane is a steel enclosure that houses all motor drive equipment, including VFDs, contactors, fuses, switches, and connections to limit switches. Serving as the heart of the EOT cranes control system, it is responsible for managing all the electrical functions of the EOT cranes.

 # Custom-built according to your drawing also

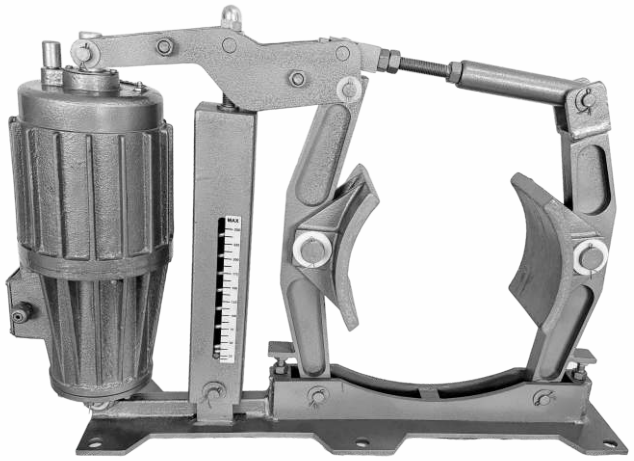
HEAVY DUTY ELECTRO HYDRAULIC THRUSTER BRAKES

MODEL - EL

Thruster brakes are fail-safe brakes that are spring applied and use an electro-hydraulic thruster to hold the brake open. When supplied power, the thruster piston rod extends and the brake is released. If the thruster is turned off or power is lost, the piston rod retracts automatically and the spring locks the brake.

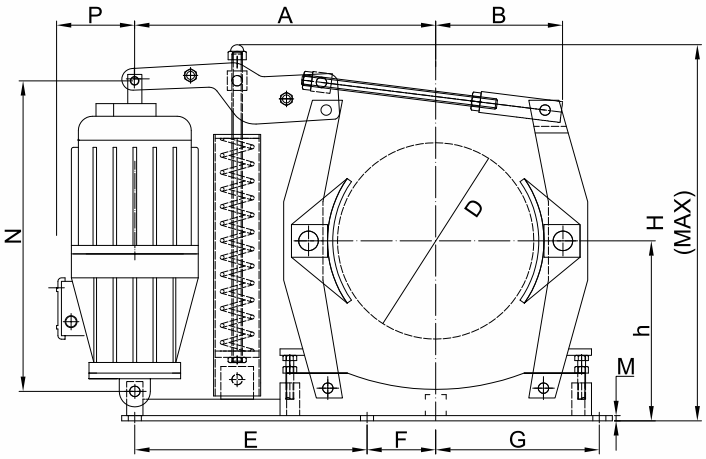
Application:

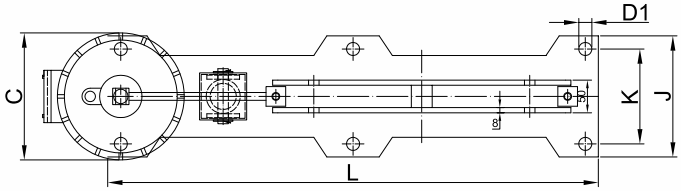
Steel Plants, Material Handling Cranes, Foundries, Forging Plants and Conveyors.



Special Features:

- Suitable for 400/450V / 50 Hz / 3 phase AC supply. As per application requirement, can be supplied suitable for 60 Hz.
- Designed to withstand extreme temperatures.
- Sleek robust design for usage in extreme weather conditions.
- Application in Heavy Rolling Steel Mills, Foundries, Forging Plants, High Speed Elevators and Lifts.
- This brake is equipped with our electro hydraulic thruster EL model which ensures consistent braking torque and smooth operation with efficient distribution of forces.
- Excellent design ensure easy change of brake shoes during maintenance.
- Hardened brake spring is provided with torque level indicator and safety cover.
- Protection class IP 54.





Optional:

- Manual release mechanism with lever
- Limit Switch

BRAKE MODEL	THRUSTER		BRAKING TORQUE	A	B	C	D	D1	E	F	G	H	h	J	K	L	M	N	P	SHOE WIDTH
	FORCE KG	STROKE	KG-m																	
EL 100-18	18	51	8	301	104	165	100	13	150	-	100	436	125	125	100	440	8 mm	370	102	70
EL 150-18	18	51	10	313	128	165	150	13	150	-	100	436	125	125	100	460	8 mm	370	102	70
EL 160-18	18	51	12	313	128	165	160	13	150	-	100	436	125	125	100	460	8 mm	370	102	70
EL 200-18	18	51	22	356	158	165	200	15	360	-	170	442	200	160	125	564	8 mm	370	102	88
EL 200-34	34	51	32	391	163	183	200	15	360	-	170	551	200	160	125	592	8 mm	460	102	88
EL 250-18	18	51	37	379	195	165	250	18	320	-	170	530	225	155	120	590	8 mm	370	102	100
EL 250-34	34	51	44	413	200	183	250	18	320	-	170	560	225	155	120	630	8 mm	460	102	100
EL 300-18	18	51	44	426	232	165	300	20	355	105	250	564	275	180	145	750	8 mm	370	102	140
EL 300-34	34	51	65	460	232	183	300	20	355	105	250	575	275	180	145	750	8 mm	460	102	140
EL 300-46	46	51	78	460	232	183	300	20	355	105	250	575	275	180	145	750	8 mm	460	102	140
EL 400-34	34	51	93	527	300	183	400	20	442.5	65.5	377	662	310	230	180	955	10 mm	460	102	180
EL 400-46	46	51	120	527	300	183	400	20	442.5	65.5	377	662	310	230	180	955	10 mm	460	102	180
EL 400-68	68	76	190	550	300	233	400	20	442.5	65.5	377	688	310	230	180	985	10 mm	570	130	180
EL 500-46	46	51	210	645	375	183	500	25	530	150	380	879	417	275	215	1120	12 mm	460	102	200
EL 500-68	68	76	320	645	375	233	500	25	530	150	380	882	417	275	215	1120	12 mm	570	130	200
EL 500-114	114	76	535	645	375	233	500	25	530	150	380	882	417	275	215	1120	12 mm	570	130	200
EL 600-68	68	76	425	737	457	233	600	25	615	150	465	991	475	275	215	1330	16 mm	570	130	240
EL 600-114	114	76	614	737	457	233	600	25	615	150	465	991	475	275	215	1330	16 mm	570	130	240

MEETECH INDUSTRIES

STANDARD ELECTRO HYDRAULIC THRUSTER BRAKES

MODEL - ST

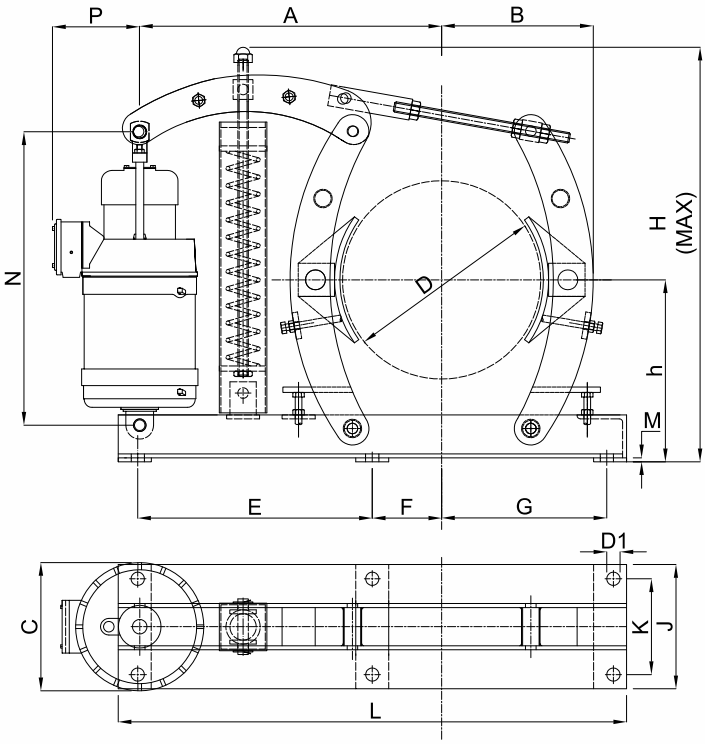
Thruster brakes are fail-safe brakes that are spring applied and use an electro-hydraulic thruster to hold the brake open. When supplied power, the thruster piston rod extends and the brake is released. If the thruster is turned off or power is lost, the piston rod retracts automatically and the spring locks the brake.

Application:

Usage in braking of EOT cranes and moving machineries motions.

Special Features:

- Suitable for 400/450V / 50 Hz / 3 phase A.C. supply. As per application requirement, can be supplied suitable for 60 Hz.
- Protection class IP 54.
- Spring made up of hardened spring steel material.
- Thruster (Heavy-duty cast-Iron body enclosure).
- Excellent design and good manufacturing processes ensure the reliable product which ensures efficient distribution of forces.
- Ease of maintenance and replacement of brake shoes without dismounting the brake.



Optional: Hand Brake / Limit Switch

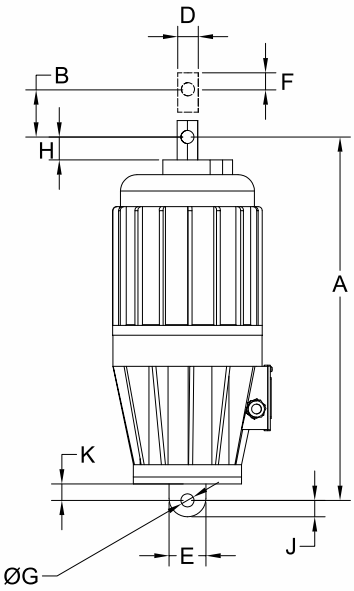
BRAKE MODEL	THRUSTER		BRAKING TORQUE	A	B	C	D	D1	E	F	G	H	h	J	K	L	M	N	P	SHOE WIDTH
	FORCE KG	STROKE	KG-m																	
ST 100-18	18	51	6	323	94	163	100	13	150	-	100	420	125	130	100	475	6 mm	349	110	70
ST 150-18	18	51	9	323	127	163	150	13	150	-	100	430	125	130	100	475	8 mm	349	110	70
ST 160-18	18	51	10	323	127	163	160	13	150	-	100	430	125	130	100	475	8 mm	349	110	70
ST 200-18	18	51	20	361	162	163	200	15	360	-	170	455	200	160	125	580	8 mm	349	110	90
ST 200-34	34	51	32	382	157	175	200	15	360	-	170	535	200	166	125	610	6 mm	444	138	90
ST 250-18	18	51	35	378	199	163	250	18	320	-	170	509	225	160	120	620	6 mm	349	110	100
ST 250-34	34	51	42	400	194	175	250	18	320	-	170	569	225	160	120	645	6 mm	444	138	100
ST 300-18	18	51	42	434	216	163	300	20	355	105	250	562	275	188	145	750	6 mm	349	110	140
ST 300-34	34	51	62	460	229	175	300	20	355	105	250	611	275	188	145	770	6 mm	444	138	140
ST 300-46	46	51	78	460	229	175	300	20	355	105	250	611	275	188	145	770	6 mm	444	138	140
ST 400-34	34	51	90	525	295	175	400	20	442.5	65.5	377	685	310	220	180	955	8 mm	444	138	180
ST 400-46	46	51	110	525	295	175	400	20	442.5	65.5	377	685	310	220	180	955	8 mm	444	138	180
ST 400-68	68	76	170	540	295	233	400	20	442.5	65.5	377	722	310	230	180	980	8 mm	508	152	180
ST 500-46	46	51	190	639	365	175	500	25	530	150	380	882	417	275	215	1130	10 mm	444	138	200
ST 500-68	68	76	290	639	365	233	500	25	530	150	380	882	417	275	215	1130	10 mm	508	152	200
ST 500-114	114	76	485	639	365	233	500	25	530	150	380	882	417	275	215	1130	10 mm	508	152	200
ST 600-68	68	76	350	728	447	233	600	25	615	150	465	972	475	290	235	1300	10 mm	508	152	240
ST 600-114	114	76	580	728	447	233	600	25	615	150	465	972	475	290	235	1300	10 mm	508	152	240

07 ELECTRO HYDRAULIC THRUSTERS MODEL - EL

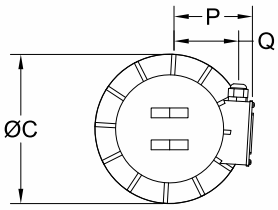
Electro Hydraulic Thruster develops linear thrust (or force) required to operate the required mechanism with a smooth, straight line constant force. The thrusters are widely used to actuate thruster shoe brakes, commonly used in material handling machines.

Application:

Thruster brakes are specialized braking systems used in various industrial applications such as Cranes and Hoists, Winches, Conveyors, Gearboxes, Machinery, etc.



SIDE VIEW



TOP VIEW

Special Features:

- Suitable for 400/450V / 50 Hz / 3 phase AC supply. As per application requirement, can be supplied suitable for 60 Hz / 380 V.
- Suitable for various ambient temperatures.
- Protection class IP 54.
- Heavy-duty cast-Iron body enclosure.
- Reliable and maintenance free operation.
- Easy mounting and dismounting.
- Immune from external over loading.
- Smooth jerk free perfectly linear motion.
- Low noise, non electrical disturbance.
- Transformer oil of grade as per BS : 148 is recommended for normal usage.
- Clean the oil plug area before opening it for oil filling

TYPE	RATED THRUST. Kgs (N)	INPUT WATTS	A	B	C	D	E	F	G	H	J	K	P	Q	WEIGHT WITHOUT OIL (kg)	OIL CAPACITY (Liter)
EL-520	18 KG (180)	110	370	51	165	20	45	20	ø12	15	19	21	95	75	19	1.6 Liters
EL-535	34 KG (340)	170	460		180	25	45	20	ø16	30	19	20	102	85	32	2.4 Liters
EL-546	46 KG (460)	180	460		180	25	45	20	ø16	30	19	20	102	85	32	
EL-870	68 KG (680)	210	570	76	230	40	50	20	ø20	38	22	28	120	100	48	4.2 Liters
EL-8110	114 KG (1140)	220	570		230	40	50	20	ø20	38	22	28	120	100	48	

08 BRAKE DRUM

Brake drums are fitted on the motor or gearbox, with the primary purpose of slowing down the speed and eventually stopping the motion when the brakes are applied. Our brake drums are manufactured from cast steel castings (Grade IS 1030 / IS 2707), duly hardened and machined to precise dimensions. They are heat-conducting and wear-resistant.

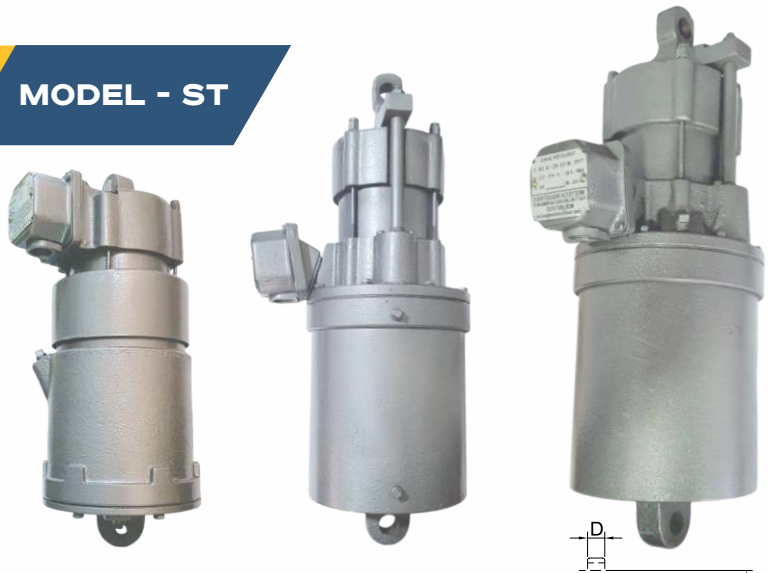
- Available in various outer diameter size such as 100, 150, 160, 200, 250, 300, 400, 500, 600.
- Bore: - Pilot Bore.
- Hardness: - IS 1030: - 120 - 160 BHN.
- Hardness: - IS 2707: - 200 – 250 BHN.
- We even manufacture as per client's requirement.
- As per requirement we even manufacture fabricated brake drum.

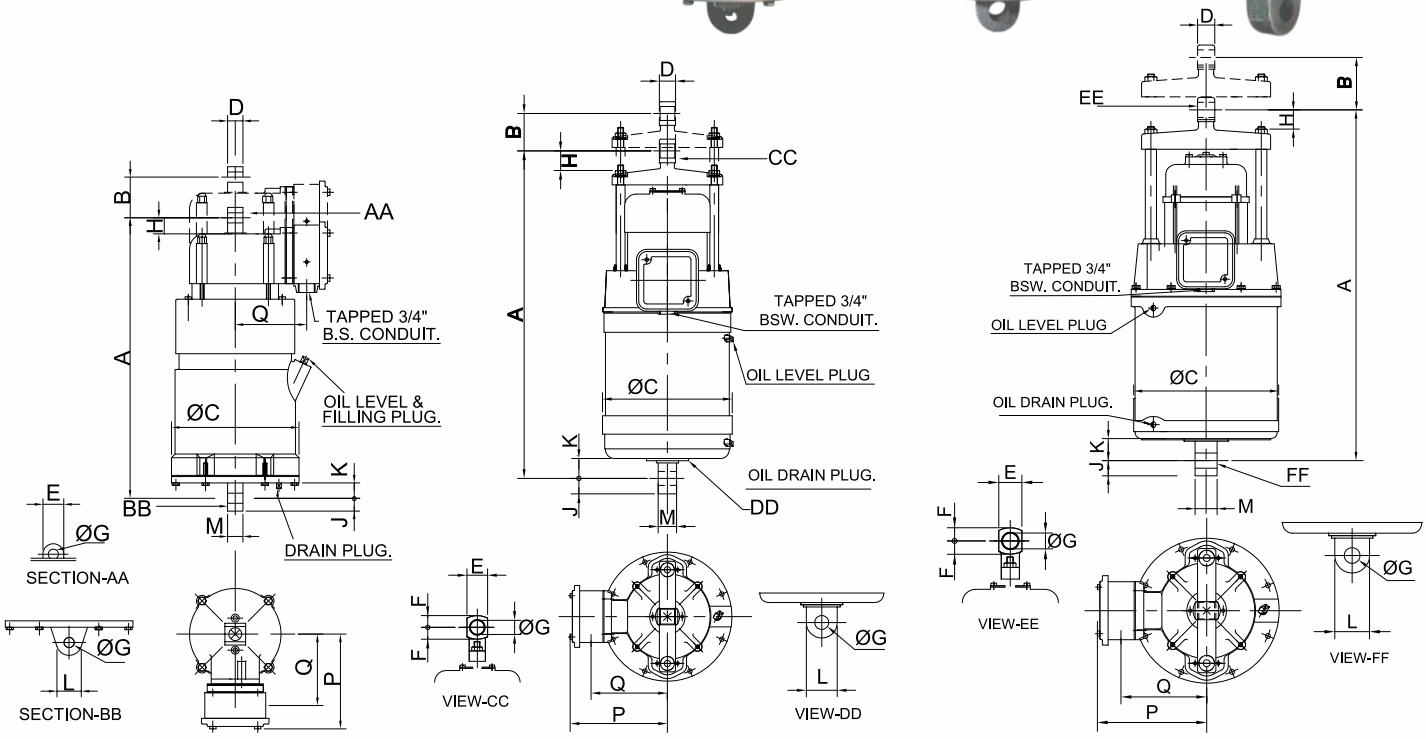
09 ELECTRO HYDRAULIC THRUSTERS MODEL - ST

Electro Hydraulic Thruster Standard is designed to withstand the severe conditions of heavy-duty machinery in various industries.

Application:

For EOT cranes thruster brakes.





Special Features:

- Suitable for 400/450V / 50 Hz / 3 phase AC supply. As per application requirement, can be supplied suitable for 60 Hz / 380 V.
- Suitable for various ambient temperatures.
- Transformer oil of grade as per BS : 148 is recommended for normal usage.
- Heavy-duty cast-Iron body enclosure.
- Highly reliable and maintenance free (periodic oil change only).
- Easy in installation and dismantling.
- Resistant to external overheating.
- Soft and smooth operation due to hydraulic principle.

TYPE	THRUSTER (Kgs)	SMOKE (mm)	INPUT (watts)	Wt (Kgs)	OIL CAP LITRES	DIMENSIONS (MM)													
						A	B	C	D	E	F	G	H	J	K	L	M	P	Q
ST-520	18	51	90	14	2	349	51	159	19	25	13	12	19	16	19	32	19	110	90
ST-535	34	51	150	30	2.5	444	51	171	22	29	14	19.1	19	21	27	41	25	138	118
ST-546	46	51	180	30	2.5	444	51	171	22	29	14	19.1	19	21	27	41	25	138	118
ST-870	68	76	200	40	4.5	508	76	216	25	32	16	22.2	25	24	29	48	32	152	132
ST-8110	113	76	250	40	4.5	508	76	216	25	32	16	22.2	25	24	29	48	32	152	132
ST-13200	225	127	420	55	9.0	660	127	254	32	38	19	25.4	30	27	45	54	48	152	132
ST-13300	295	127	580	55	9.0	660	127	254	32	38	19	25.4	30	27	45	54	48	152	132

10 BRAKE SHOE LINERS MODEL - BS

Meetech Industries manufacturing a wide range of brake shoe linings, which is of excellent quality. These are made of soft but touch heat resistant material with a high coefficient of dynamic friction we offer rubber brake linings, asbestos free bonded linings. These products are used in industrial EOT crane brake application. Brake shoe is available in various diameter size such as 100, 150, 160, 200, 250, 300, 400, 500, 600.

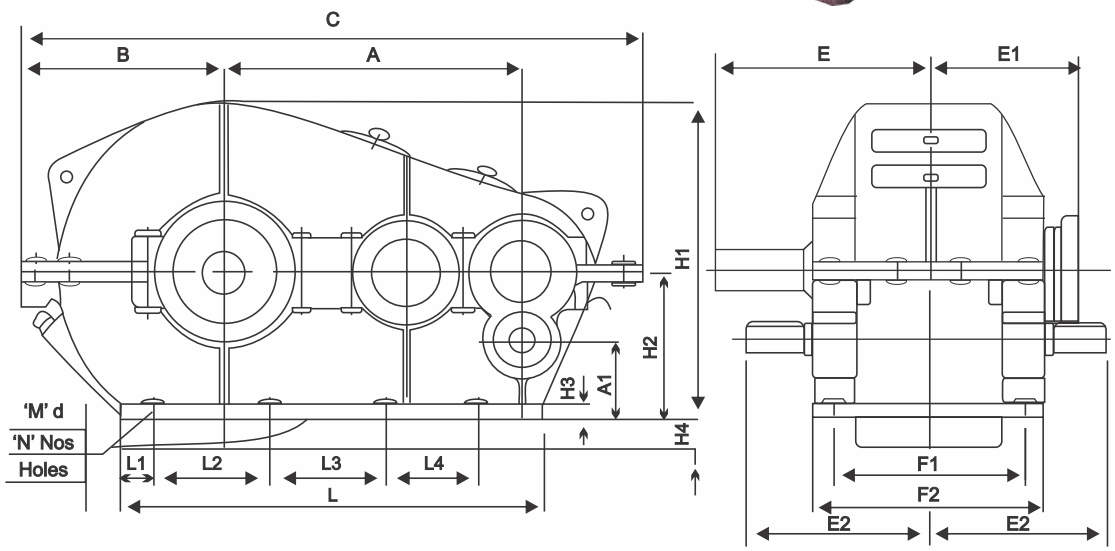
CRANE GEARBOXES

Gears & Pinions:

Gears and pinions are chosen according to their module, teeth profile, and helix angle to align with speed, ratio, and load conditions, ensuring optimal tooth engagement and quiet operation. Teeth cutting is precisely executed on a hobbing machine. Alloy gears are produced from cast steel or forged materials, while pinions are made from EN graded alloy material to meet specific load requirements. All gears and pinions are subject to 100% ultrasonic testing to verify their chemical and physical properties.

Shafts:

Pinion shafts are made from heat-treated alloy steel bars or forgings, and other shafts from heat-treated carbon steel. High precision tolerance finishing is achieved through grinding.



HORIZONTAL REDUCER GEAR BOX / HORIZONTAL REDUCER DOWN GEAR CRS GEAR BOX

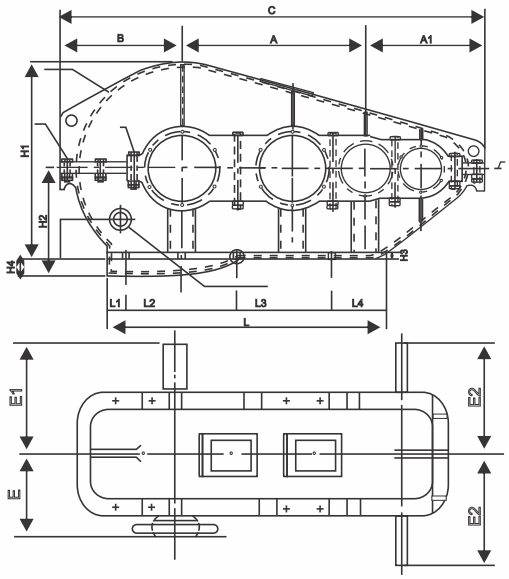
Gear Box Size HR	DIMENSIONS (mm)																	FOUNDATION BOLT SIZE & QTY	
	A	A1	B	C	E	E1	E2	F1	F2	H1	H2	H3	H4	L	L1	L2	L3	L3	M	N
250	250	-	189	540	238.5	174.5	200	190	230	382	160	20	-	345	78	235	-	-	17	4
350	350	-	240	730	268.5	214	260	250	290	400	200	25	-	470	100	310	-	-	17	4
400	400	-	293	826	325.5	234	270	270	310	490	250	25	-	500	70	370	-	-	17	4
500	500	-	338	986	345.5	270	330	330	350	587	300	25	-	710	50	300	250	-	17	6
500+150	500	150	338	986	345.5	270	330	330	350	587	300	25	-	710	50	300	250	-	17	6
650	650	-	445	1278	452	342	430	430	470	697	320	35	95	930	75	260	260	200	25	8
650+150	650	150	445	1278	452	342	445	445	470	697	320	35	95	930	75	260	260	200	25	8
750	750	-	475	1480	472	362	450	450	510	763	335	35	100	1090	50	290	290	290	25	8
750+200	750	200	475	1480	472	362	460	460	510	763	335	35	100	1090	50	290	290	290	25	8
850	850	-	546	1715	552.5	403	510	510	680	831	360	40	116	1345	130	340	280	280	32	10
850+250	850	250	546	1715	552.5	403	510	510	680	831	360	40	116	1345+	130	340	280	280	32	10
1000	1000	-	635	1955	632.5	450	550	550	670	965	400	40	200	1520	AS PER DRG				32	12
1000+300	1000	250	635	1955	632.5	450	550	550	670	968	400	40	200	1520					32	12
1150	1150	-	785	2218	704.5	508	645	645	750	1135	475	50	215	1545					38	12
1150+300	1150	300	785	2218	704.5	508	645	645	750	1135	475	50	215	1545					38	12
1300	1300	-	925	2480	764.5	548	685	685	830	1280	530	50	255	1785					38	12
1300+350	1300	300	925	2480	764.5	548	685	685	830	1280	530	50	255	1785					38	12

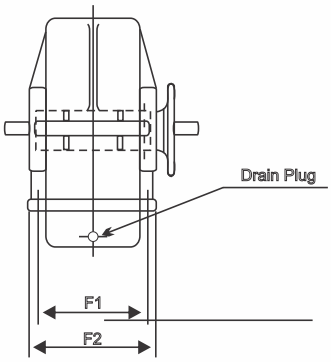
 # Custom-built according to your drawing also

Our heavy-duty helical gearbox housings are manufactured in-house using IS 2062 grade plates, precisely cut to the gearbox profile with CNC machines. After fabrication, each housing undergoes a stress-relief process to ensure durability and performance.

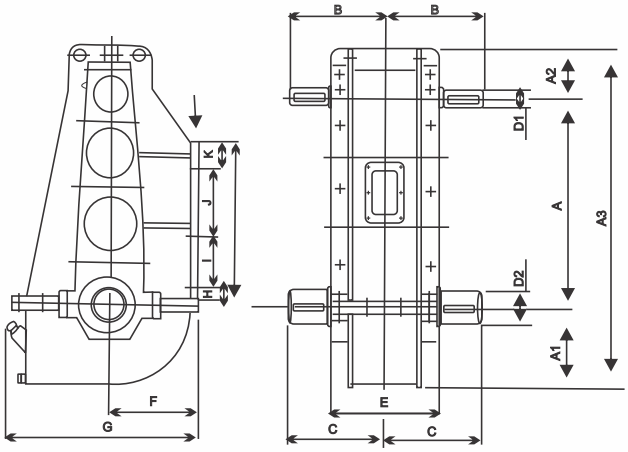
GEAR BOX RATIO:

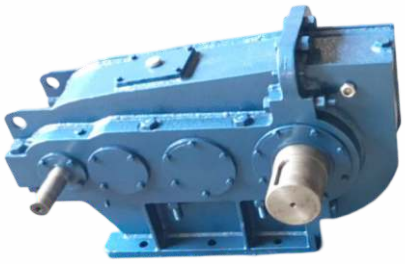
We offer both double and triple reduction gearboxes and can also manufacture gearboxes with specific ratios tailored to customer requirements.





PARALLEL SHAFT HELICAL GEAR BOX																			
GEAR BOX SIZE HR	DIMENSIONS (mm)																	Foundation Bolt Size & Qty	
	A	A1	B	C	E	E1	E2	F1	F2	H1	H2	H3	H4	L	L1	L2	L3	L4	M	N
400+125	400	125	280	934	325	234	270	260	310	410	160	25	94	615	50	260	265	40	17	6
500+150	500	150	330	1150	345	270	330	320	370	542	250	46	46	760	50	300	260	150	17	6
650+150	600	150	447	1450	452	342	445	415	481	660	280	36	105	955	AS PER DRG				25	10
750+200	750	200	475	1640	472	362	460	450	510	762	355	36	100	1140					25	10
850+250	800	250	545	1860	552	403	510	520	596	831	360	40	40	1295					32	12
1000+250	1000	250	635	2162	632	450	550	560	680	938	400	40	40	1520					32	12





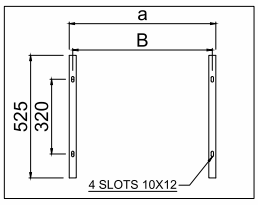
Bearings: Various sizes of bearings are used based on gearbox requirements and load, sourced from reputable manufacturers like SKF or FAG.

Lubrication: For normal speeds, splash lubrication is achieved by dipping gears in oil. The casing design includes an oil reservoir for cooling and anti-friction operation, with an oil level indicator ensuring proper lubricant levels.

VERTICAL REDUCER GEAR BOX																				
GEAR BOX SIZE VR	DIMENSIONS																			
	A	A1	A2	A2	B	C	D1	D2	E	F	G	H	I	J	K	L	M	N	O	P
320	320	120	100	540	248	186	28	48	202	140	363	60	-	150	60	270	162	202	18	4
400	400	158	110	668	262	240	38	68	230	178	449	45	110	120	55	330	190	230	18	6
500	500	187	110	797	250	268	38	78	256	212	462	50	120	172	60	400	206	256	24	6
630	630	240	130	1000	297.5	310	48	95	330	264	559	60	120	120	80	500	280	330	20	8

 # Custom-built according to your drawing also

RESISTANCE BOX & DYNAMIC BREAKING RESISTORS (DBR)



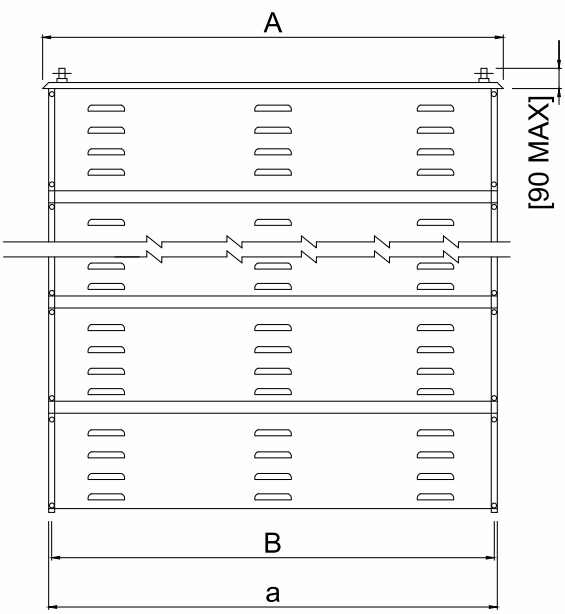
RESISTANCE BOX

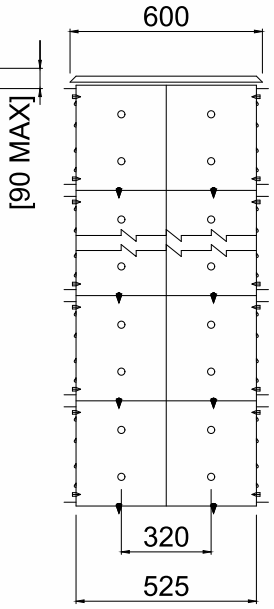
Resistance box regulates the speed of the slip ring motors and hence torque can be maintained at any value up to the pull-out torque in the entire speed range by suitably varying the external resistance.

The external resistance adds up to the total impedance of the motor windings and limits the starting current. It also improves the starting power factor.

Application:

Used in slip rings motors for various applications.





DYNAMIC BRAKING RESISTOR

Dynamic braking resistors (DBRs) produce braking torque and absorb the high amounts of energy generated by stopping electric motors. They are used in variable-speed drive systems.

Application:

Used for motors with VFD in EOT cranes, elevators, trains, steel rolling mills, conveyors, etc.

Special Features:

- Outer body is made up of hot dip galvanised sheet metal (80 GSM)
- Air cooled
- Punched stainless steel punched resistors
- AC & DC power adaptable

CURRENT RATING FOR VARIOUS DULY FACTOR [Amps]												
UPTO 16 GRIDS / STACK				UPTO 22 GRIDS / STACK				UPTO 30 GRIDS / STACK				
UNIT SIZE	A	a	b	UNIT SIZE	A	a	b	UNIT SIZE	A	a	b	H
B1	600	545	500	C1	750	695	650	D1	900	845	800	280
B2	600	545	500	C2	750	695	650	D2	900	845	800	560
B3	600	545	500	C3	750	695	650	D3	900	845	800	840
B4	600	545	500	C4	750	695	650	D4	900	845	800	1120
B5	600	545	500	C5	750	695	650	D5	900	845	800	1400
B6	600	545	500	C6	750	695	650	D6	900	845	800	1680

 # Custom-built according to your drawing also

HEAVY DUTY RESISTANCE BOX & HEAVY DUTY DYNAMIC BREAKING RESISTORS (DBR)

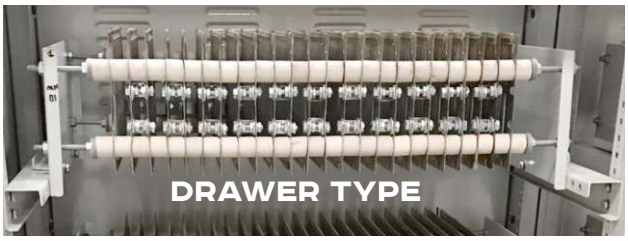
A resistance box is used to control the speed of slip ring motors, allowing for the maintenance of torque at any level up to the maximum pull-out torque across the full range of speeds by appropriately adjusting the external resistance. This added resistance increases the overall impedance of the motor's windings, thereby limiting the initial starting current. Additionally, it enhances the power factor during start-up.

Application:

Used in slip rings motors for various applications.

Special Features:

- Drawer type pull out: Easy grid replacement for maintenance purpose
  (No need to open all grids as in case of other models.)
- Outer Body: CRC sheets, die metal, power coated for rust roof and long life.
- AC & DC power adaptable
- Punched stainless steel resistors



RELATED VALUE Ohm	GRID TYPE	CURRENT RATING FOR VARIOUS DULY FACTOR [Amps]			
		25% ED	40% ED	60% ED	100% ED
0.010	PS 10	390	325	280	234
0.022	PS 22	265	220	190	158
0.032	PS 32	220	182	153	131
0.046	PS 46	185	151	130	110
0.068	PS 68	152	126	110	90
0.100	PS 100	125	103	88	74
0.150	PS 150	101	85	72	61
0.220	PS 220	83	70	59	50
0.300	PS 300	82	59	50	43
0.460	PS 460	58	48	40	35
0.720	PS 720	47	39	33	28
1.000	PS 1000	40	33	28	24
1.500	PS 1500	32	27	23	19
2.500	PS 2500	25	21	18	15
4.500	PS 4500	15	13	11	8

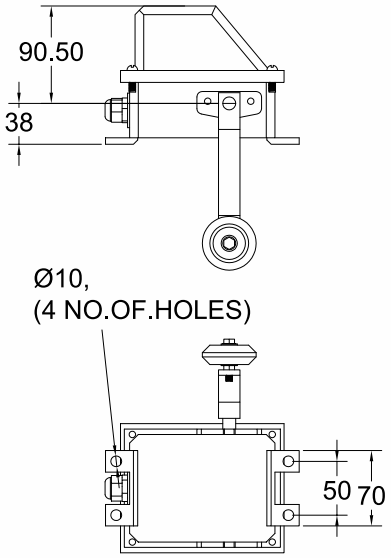
 # Custom-built according to your drawing also

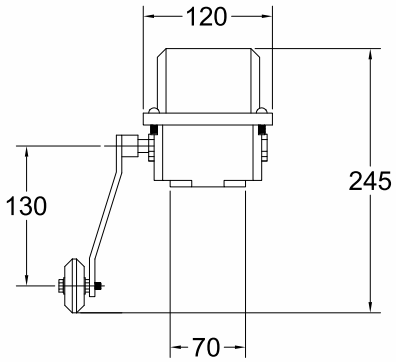
14 LEVER OPERATED LIMIT SWITCHES — MODEL - LLS

A lever-type limit switch operates by managing the changeover contacts of a motor in moving equipment. When a cam, moving along with the load, engages the switch's lever, it rotates the cam on a square shaft. This movement triggers the normally open (NO) and normally closed (NC) contact elements.

Application:

Lever Limit Switches are used for heavy duty EOT cranes, wagon shunting devices, elevators, tours & travel Mechanism etc. to prevent over travel or traverse. Handle Position up/down and it can be Changed in steps of 90° at site.





TECHNICAL DATA	
BODY MATERIAL	ALUMINIUM DIE CAST.
MOUNTING POSITIONS	FLOOR MOUNTING.
PROTECTION DEGREE	IP – 54.
CABLE ENTRY	¾" CONDUIT.
NO.OF.CONTACTS	2 / 3 OR 4.
CONTACT MATERIAL	SILVER CADMIUM
RATED VOLTAGE	500 V.A.C
MODE OF OPERATION	2 WAY SELF RESETTING.
SURFACE PROTECTION	POWDER COATING

SWITCHING DIAGRAM

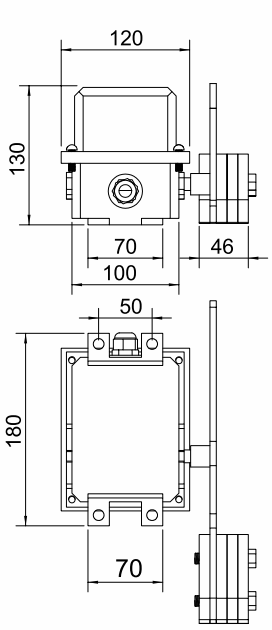
LLS/2SH/2			
CONTACT No.	R	O	F
1	X	X	
2		X	X

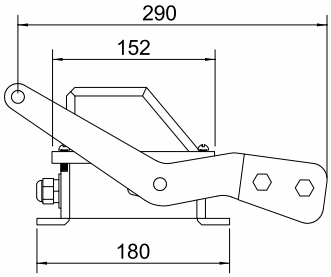
LLS/1SH/2			
CONTACT No.	R	O	F
1		X	
2		X	

LLS/1SH/1			
CONTACT No.	R	O	F
1		X	

15 COUNTER WEIGHT LIMIT SWITCHES — MODEL - CWLS

Weight Operated Limit Switches are used to control / power circuit of reversing drives so as to limit their rotation / movement within a predetermined position. As the weight is placed on other end, the lever is pushed up. When the lever is pushed up the shaft to which the lever is connected rotates and thereby rotating the cams and it opens the contacts and thus disconnects the motor.





Application:

Primarily utilized in industries as a safety interlock for controlling machinery, the counterweight is employed to raise the wire rope, preventing it from reaching an over-hoist position.

TECHNICAL DATA	
BODY MATERIAL	ALUMINIUM DIE CAST.
MOUNTING POSITION	FLOOR MOUNTING.
PROTECTION DEGREE	IP – 54.
CABLE ENTRIES	¾" BS CONDUIT.
NO.OF.CONTACT	2
CONTACT MATERIAL	SILVER CADMIUM
RATED VOLTAGE	500 V.A.C.
MODE OF OPERATION	ONE WAY SELF RESETTING
SURFACE PROTECTION	POWDER COATING

SWITCHING DIAGRAM

CWLS/1SH/2		
CONTACT No.	0	1
1	X	
2	X	

CWLS/1SH/1		
CONTACT No.	0	1
1	X	

MEETECH INDUSTRIES

16

HEAVY DUTY MS BODY ROTARY GEARED LIMIT SWITCHES

MODEL - MS/GRLS

A Rotary Gear Limit Switch typically consists of a robust worm gear drive. The worm gear mechanism is housed within a durable cast casing, which is mounted on the primary body of the limit switch. The cam shaft, extending from the rear of the gear into the casing, supports adjustable actuators that are fitted onto the cams. These actuators trigger the contact fingers of the respective switches when engaged.

Function: The limit switch is designed to halt the drive mechanism when it reaches its extreme clockwise or counterclockwise position. These rotary limit switches are especially effective in applications involving reversible drives, such as those in electric hoists, winches, overhead cranes, and traverse systems.

Applications: The rotary geared type limit switches are ideal for reversing drives in systems such as hoists, winches, rolling mills, and various other mechanical applications found in steel plants, including coke ovens and feeding systems.

TECHNICAL DATA	
BODY MATERIAL	MILD STEEL
GEAR RATIOS	48 : 1 / 60 : 1 / 90 : 1
PROTECTION DEGREE	IP – 41
DRIVE	WORM DRIVE
CABLE ENTRIES	¾" CONDUIT
CONTACT MATERIAL	SILVER CADMIUM
NO. OF CONTACTS	2 & 4
RATED VOLTAGE	500 V.A.C
CAM SETTING	ADJUSTABLE
SURFACE PROTECTION	POWDER COATING
THERMAL TEST CURRENT	40 Amps

MECHANICAL DATA			
RATIO	EFFECTIVE ROATATIONS	2 CONTACTS MODEL	4 CONTACTS MODEL
48:1	48	MS/GRLS/48/2SH	MS/GRLS/48/4SH
60:1	60	MS/GRLS/60/2SH	MS/GRLS/60/4SH
90:1	90	MS/GRLS/90/2SH	MS/GRLS/90/4SH

The body of the Limit Switch is built from in-house fabricated.

The Worm Gear Drive and shaft material are made from EN-8 hardened steel.

17

ALUMINIUM BODY ROTARY GEARED LIMIT SWITCHES

MODEL - AL/GRLS

A Geared Rotary Limit Switch (GRLS) is utilized to cut off the motor supply when the moving loads reach the farthest positions within the working zone. The driving motion is conveyed through a worm gear via the worm shaft. The rotations and movements are then transferred to the switches by adjustable cams.

Application:

The Rotary Geared Limit Switch is ideal for use in control circuits of cranes, hoists, winches, and other drive mechanisms, where the bi-directional travel of the mechanism needs to be restricted within specific, predefined positions. These switches are suitable for direct coupling with motors, reduction gear shafts, rope drums, and similar components.

TECHNICAL DATA	
BODY MATERIAL	ALUMINIUM DIE CAST
GEAR RATIOS	48 : 1 / 60 : 1 / 96 : 1
PROTECTION DEGREE	IP – 55
DRIVE	WORM DRIVE
CABLE ENTRIES	¾" CONDUIT
CONTACT MATERIAL	SILVER CADMIUM
NO. OF CONTACTS	2 & 4
RATED VOLTAGE	500 V.A.C
CAM SETTING	ADJUSTABLE
SURFACE PROTECTION	POWDER COATING
THERMAL TEST CURRENT	40 Amps

MECHANICAL DATA				
RATIO	EFFECTIVE ROATATIONS	USEFUL ROTATIONS	2 CONTACTS MODEL	4 CONTACTS MODEL
48:1	42	40	AL/GRLS/48/2SH	AL/GRLS/48/4SH
60:1	52	50	AL/GRLS/60/2SH	AL/GRLS/60/4SH
96:1	84	80	AL/GRLS/96/2SH	AL/GRLS/96/4SH

18 FG WORM DRIVE LIMIT SWITCHES — MODEL - FGLS

The new range of Limit Switches is specifically designed and produced for use in reversing mechanisms such as hoists, winches, rolling mills, and similar equipment. Its compact design allows for easy integration and installation in electric hoists, particularly in situations where space is limited. The drive motion is conveyed through a worm gear system. All gears and hubs are constructed from low-wear thermoplastic materials. The rotational movement is transferred to the switches via adjustable cams.

TECHNICAL DATA

No. of Contacts	2NO 2NC or 4NO 4NC
Gear Ratios	1:12.5, 1:25, 1:50, 1:100, 1:200 and 1:400.
Protection Degree	IP-55 IS : 13947 Part 1
Mounting Position	All Position Mounting
Drive	Worm Screw
Cable Entries	Twin, 3/4" BS Conduit
Contact Material	Double brake, Silver Cadmium (Snap)
Wire Connection	Screw terminal contact

SPECIFICATIONS

Ratios	Useful Rotations	2 Contacts Model 2 NC	4 Contacts Model 4 NC
1 : 12.5	11.6	FG - 12.5 P2	FG - 12.5 P4
1 : 25	23.2	FG - 25 P2	FG - 25 P4
1 : 50	46.5	FG - 50 P2	FG - 50 P4
1 : 100	93	FG - 100 P2	FG - 100 P4
1 : 200	185	FG - 200 P2	FG - 200 P4
1 : 400	372	FG - 400 P2	FG - 400 P4

19 CROSS BAR TYPE LIMIT SWITCHES — MODEL - CBLS

ROTARY FOR TRAVEL MOTION (CROSS LIMIT SWITCH)

The Cross Bar Limit Switch is a 4-position control mechanism that operates with 90-degree rotations, suitable for both single and two-speed motor control. It is fitted with rotary gears, ensuring smooth operation at speeds ranging from 12 to 200 revolutions per minute. The outer housing is crafted from premium-grade self-extinguishing thermoplastic with double insulation and an ingress protection rating of IP 54, safeguarding it from dust, oil, and other non-corrosive substances. The Cross Bar Limit Switch is designed to perform efficiently within a temperature range of -25°C to 55°C.

PRODUCT FEATURES

Body Material	Durable ABS/Nylon
Protection Rating	IP 54
Mounting Options	Foot-mounted / Horizontal
Rated Voltage	500 V AC
Thermal Test Current	20 Amps

20 LEVER TYPE LIMIT SWITCHES — MODEL - LTLS

The Lever Limit Switch is designed for heavy-duty applications such as E.O.T. cranes and wagon shunting systems. It serves to prevent over-travel or over-traverse in both power and control circuits, with a capacity of up to 500 volts AC, 50 Hz, and a current rating of 20 amps.

PRODUCT FEATURES

Body Material	Unbreakable ABS/Nylon
Degree of Protection	IP-54
Mounting Position	Foot Mounted / Horizontal
Rated Voltage	500 V AC
Thermal Test Current	20 Amp
Number of Contacts	2
Mode of Operation	2 way self resetting

21

MASTER CONTROLLERS WITH SHEET METAL & ALUMINIUM BODY

MODEL - MS/MC
MODEL - AL/MC

Master Controllers are primarily utilized for the remote operation of controlling equipment such as EOT Cranes and Rolling Mills drives. These controllers are housed in a dustproof enclosure with an IP-54 protection rating. The operation of the Master Controller extends to 6 notches in either direction, accommodating a maximum of 24 contacts according to the required sequence, and includes a spring return mechanism and a Dead Man's handle arrangement. The Master Controllers are compact, offering up to 4-0-4 steps, making them suitable for applications such as Hoist-Grab and CT–LT. Maximum contacts 16 per motion with spring return arrangement.

Application:

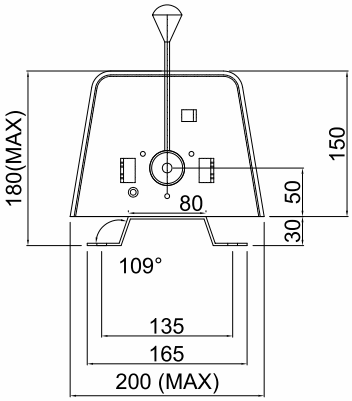
The Rotary Geared Limit Switch is ideal for use in control circuits of cranes, hoists, winches, and other drive mechanisms, where the bi-directional travel of the mechanism needs to be restricted within specific, predefined positions. These switches are suitable for direct coupling with motors, reduction gear shafts, rope drums, and similar components.

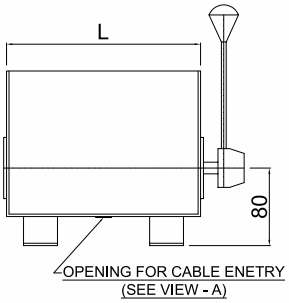
MODEL - MS/MC

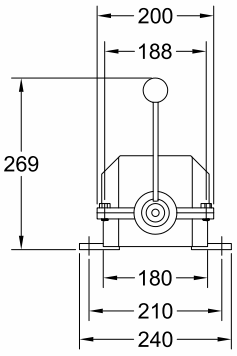
TECHNICAL DATA

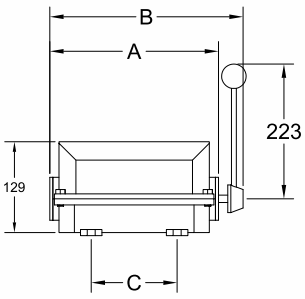
Body Material	Sheet Metal / Aluminium Cast.
Surface Protection	Powder Coating.
Protection Degree	IP-41 / IP-54.
Mounting Position	Horizontal / Vertical.
Contact Material	Silver Cadmium.
Cable Entries	2 x 20ø / 2 x 26ø standard conduit.
Contacts	Single / Double Break.
No. Of. Contacts	24 Maximum.
No. Of. Steps	6 – 0 – 6 Maximum.
Optional	Spring Return / Deadman's Handle.

MODEL - AL/MC









TYPE	L (mm)	d (mm)	No. of Contacts	No. of Entries	
				Dia 20 mm	Dia 26 mm
1	135	105	8	2	2
2	195	165	12	2	4
3	245	215	18	2	4
4	305	265	24	2	2

TYPE	A (mm)	C (mm)	No. of Contacts	No. of Entries	
				Dia 20 mm	Dia 26 mm
SMALL	170	90	8	1	1
MEDIUM	267	140	16	2	2
BIG	370	140	24	2	2

22

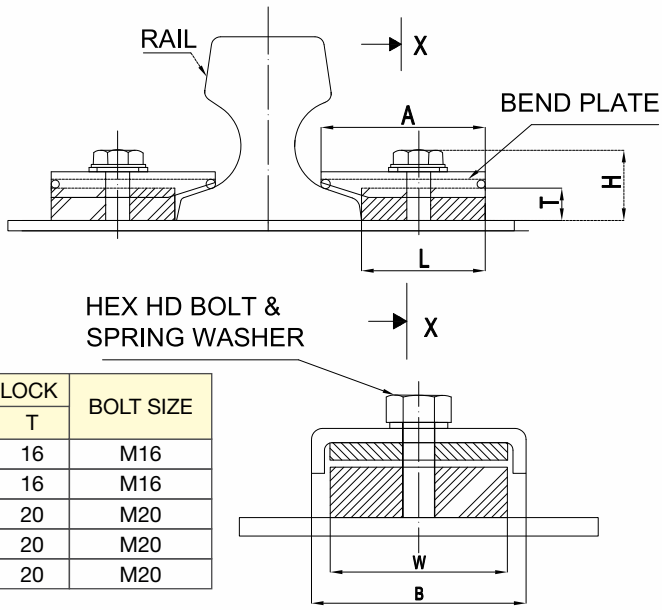
UNIVERSAL MASTER CONTROLLERS MODEL - UMC

A Twin Master Controller with a universal handle enables a crane operator to control both bridge and trolley motions simultaneously, enhancing spotting accuracy and load movement speed. The joystick handle can be moved into any quadrant and position, and these universal controllers are also used for hoist/grab motions. Equipped with a universal joint, the Master Controllers allow to achieve the desired motion for individual or combined operations.

23

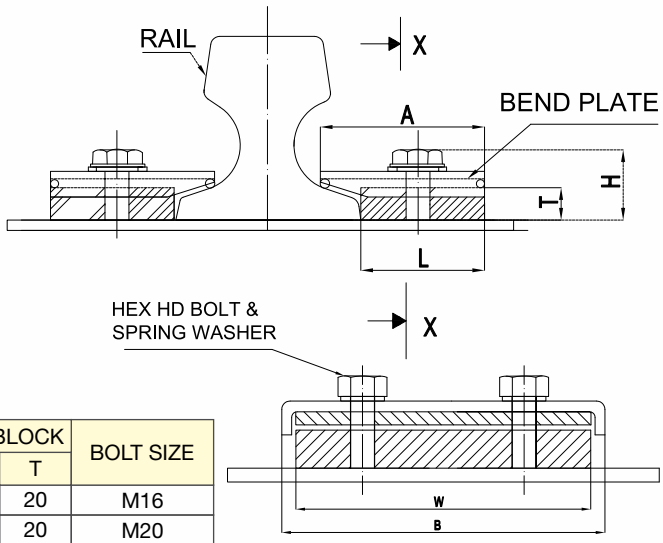
JOYSTICK CONTROLLERS MODEL - JSC

24 RAIL CLAMPS SINGLE BOLT PLATE BEND — MODEL - RCPBS



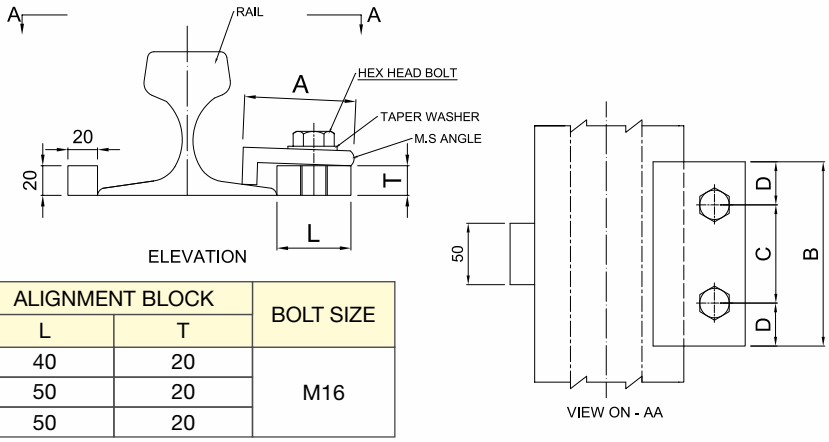
MODEL	RAIL TYPE	CLAMP			ALIGNMENT BLOCK			BOLT SIZE
		A	B	H	L	W	T	
RCPBS-1	30 LBS / 40 LBS	65	65	42	40	40	16	M16
RCPBS-2	60 LBS	75	65	42	50	40	16	M16
RCPBS-3	90 LBS / 105 LBS	75	65	50	50	40	20	M20
RCPBS-4	CR-80 / CR-100	85	70	50	60	40	20	M20
RCPBS-5-H	CR-80 / CR-100 / CR-120	95	75	50	60	50	20	M20

25 RAIL CLAMPS DOUBLE BOLT PLATE BEND — MODEL - RCPBD



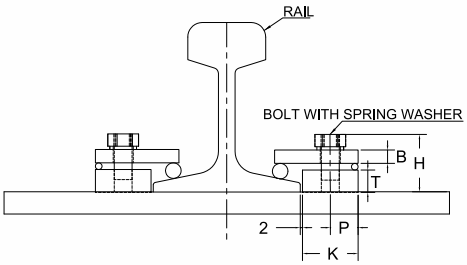
MODEL	RAIL TYPE	CLAMP			ALIGNMENT BLOCK			BOLT SIZE
		A	B	H	L	W	T	
RCPBD-1	90 LBS / 105 LBS	85	100	50	50	70	20	M16
RCPBD-2	CR-80 / CR-100	85	130	50	50	100	20	M20
RCPBD-3	CR-120	95	150	50	60	120	20	M20

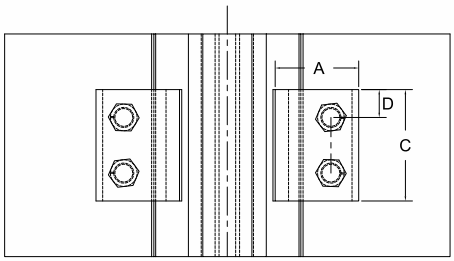
26 RAIL CLAMPS DOUBLE BOLT ANGLE TYPE — MODEL - RCA



MODEL	RAIL TYPE	CLAMP				ALIGNMENT BLOCK		BOLT SIZE
		A	B	C	D	L	T	
RCA-1	30 LBS / 60 LBS / Yd	65	75	40	17.5	40	20	M16
RCA-2	90 LBS / 105 LBS / Yd	75	100	50	25	50	20	
RCA-3	CR-80, 100 & 120	75	150	80	35	50	20	

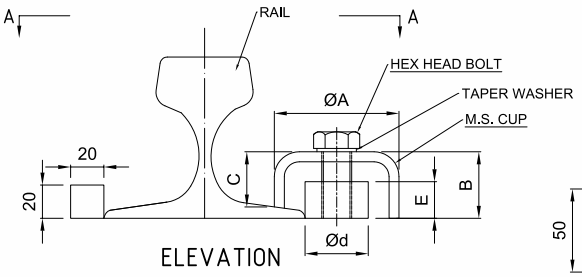
27 RAIL CLAMPS DOUBLE BOLT PLATE TYPE — MODEL - RCP



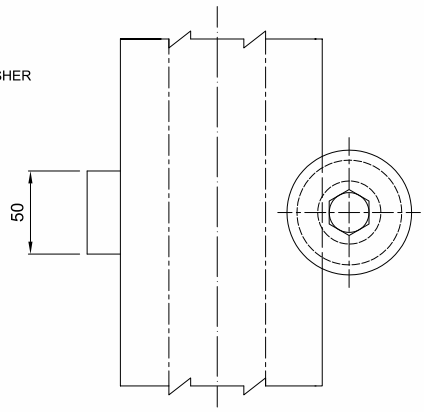


MODEL	RAIL TYPE	CLAMP					ALIGNMENT BLOCK			BOLT SIZE
		A	B	C	D	H	K	P	T	
RCP 1	60 LBS	75	10	100	25	50	50	25	16	M 16 X 30
RCP 2	90 LBS / 105 LBS	75	12	100	25	50	50	25	20	M 16 X 35
RCP 3	90 LBS / 105 LBS (HEAVY)	90	12	100	25	56	50	25	20	M 20 X 35
RCP 4	CR 80 / 105 LBS	75	12	100	25	50	50	25	20	M 16 X 35
RCP 5	CR 100 / CR 120 LBS	75	12	100	25	56	50	25	20	M 20 X 35
RCP 6	CR 80 / CR 100 / CR 120 LBS	100	12	100	25	56	60	30	20	M 20 X 35
RCP 7	CR 80 / CR 100 / CR 120 LBS (HEAVY)	100	16	150	35	60	60	30	20	M 20 X 40

28 RAIL CLAMPS CUP TYPE — MODEL - RCC



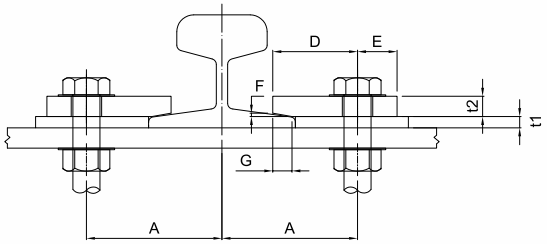
ELEVATION

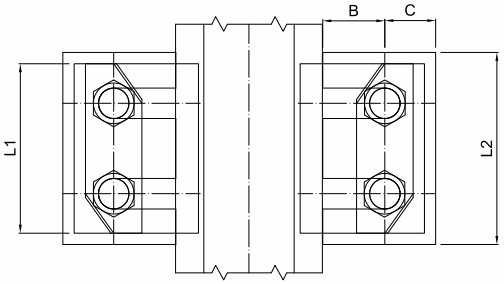


VIEW ON - AA

MODEL	RAIL TYPE	CUP			ALIGNMENT BLOCK		BOLT SIZE
		ØA	B	C	Ød	E	
RCC 1	60 & 90/105 Lbs/Yd.	75	30	20	40	20	M 20
RCC 2	CR 80 & CR 100	75	35	20	40	20	M 20

29 RAIL CLAMPS SLOTTED ADJUSTMENT PLATE TYPE — MODEL - RCSAP





MODEL	RAIL TYPE	DIMENSIONS FOR RAIL FIXING										
		A	B	C	D	E	F	G	t1	t2	L1	L2
RCSAP-1	CR 80	110	55	45	65	35	3	15	8	16	150	170
RCSAP-2	CR 100	110	45	45	65	35	3	17	10	16	150	170
RCSAP-3	CR 120	120	45	45	65	35	3	18	12	16	150	170

CABLE TROLLEYS (HEAVY DUTY & LIGHT DUTY)

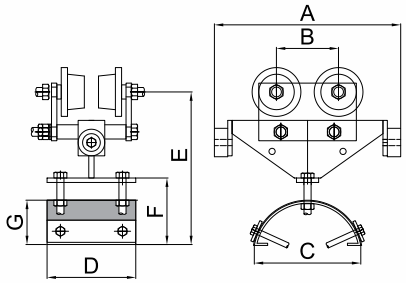
I-Beam cable trolleys are primarily used in EOT cranes for carrying heavy electrical cables in industries such as foundries, rolling mills, storage containers, and steel mills. Various types of I-Beam trolleys, accommodating flange widths up to 400 mm, are available. Additionally, we offer specially designed trolleys for electric cables.

LIGHT

HEAVY

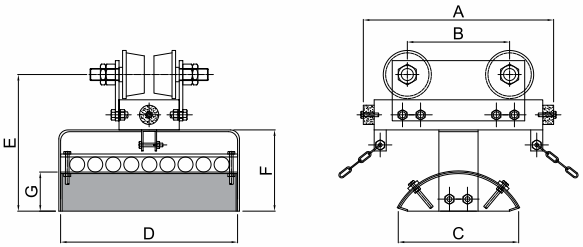
HEAVY

EX. HEAVY



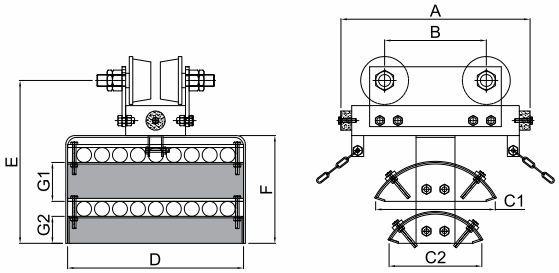
LIGHT DUTY SINGLE DECKER CABLE TROLLEY

MODEL	A	B	C	TRAY SIZE 'D'	E	F	G
CT/75-S/LD	130	60	80	75	125	52	30
CT/100-S/LD	150	70	100	100	150	75	40
CT/150-S/LD	200	100	125	150	150	85	50
CT/200-S/LD	250	100	150	200	175	100	50



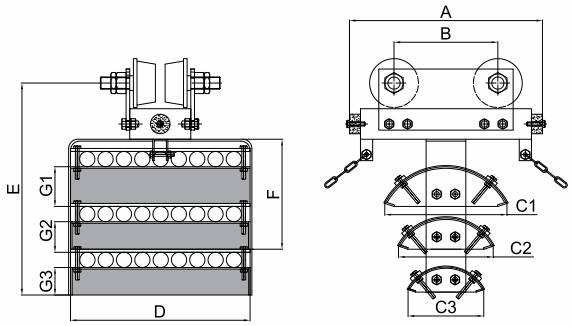
HEAVY DUTY SINGLE DECKER CABLE TROLLEY

MODEL	A	B	C	TRAY SIZE 'D'	E	F	G
CT/100-S/HD	200	70	120	100	150	100	50
CT/200-S/HD	240	120	155	200	180	100	50
CT/250-S/HD	290	150	155	250	200	120	52
CT/300-S/HD	320	170	200	300	230	135	52
CT/400-S/HD	400	240	250	400	230	135	65



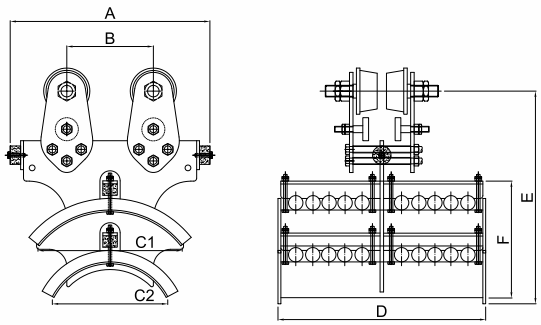
HEAVY DUTY DOUBLE DECKER CABLE TROLLEY

MODEL	A	B	C1	C2	TRAY SIZE 'D'	E	F	G	G2
CT/200-D/HD	240	120	155	120	200	260	180	52	52
CT/250-D/HD	290	150	155	120	250	260	180	52	52
CT/300-D/HD	320	170	200	155	300	275	180	52	52
CT/400-D/HD	400	240	250	200	400	355	260	65	65



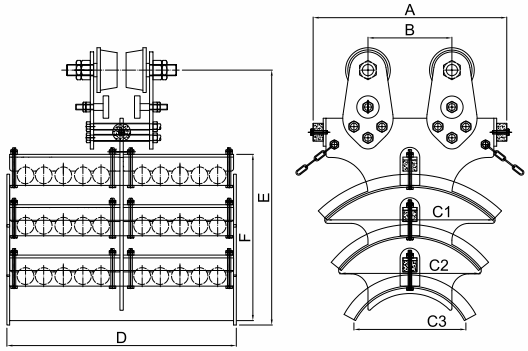
HEAVY DUTY TRIPPLE DECKER CABLE TROLLEY

MODEL	A	B	C1	C2	C3	TRAY SIZE 'D'	E	F	G1	G2	G3
CT/350-T/HD	350	240	250	200	160	350	340	245	80	60	60
CT/400-T/HD	400	240	300	250	200	400	415	325	80	60	60



EXTRA HEAVY DUTY PLATE TYPE DOUBLE DECKER CABLE TROLLEY

MODEL	A	B	C1	C2	TRAY SIZE 'D'	E	F
CT/350-T/EHD	350	150	250	200	350	365	210
CT/400-T/EHD	400	230	300	250	400	365	210

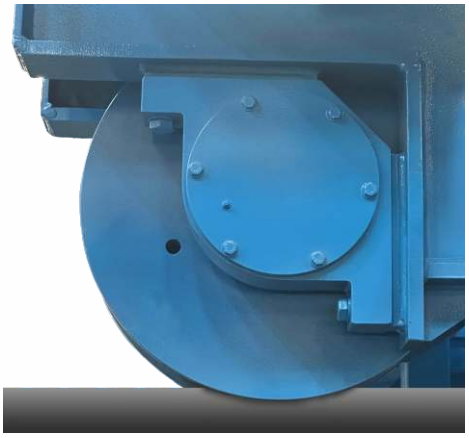


EXTRA HEAVY DUTY PLATE TYPE TRIPPLE DECKER CABLE TROLLEY

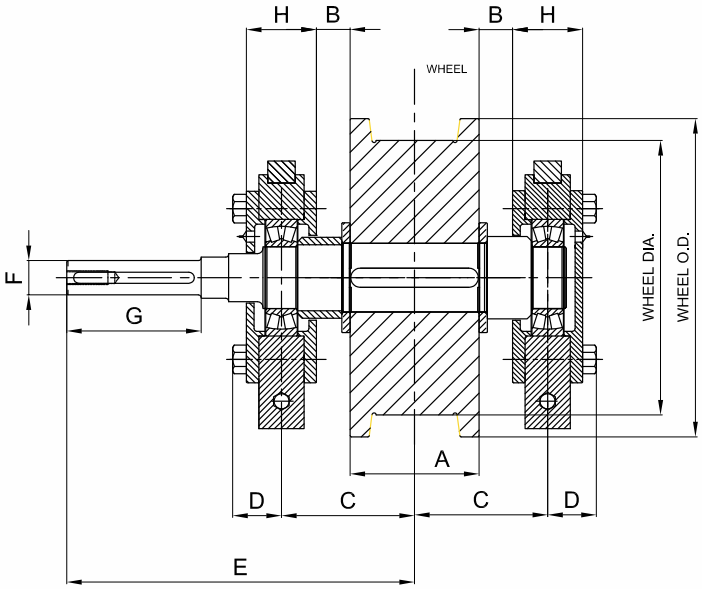
MODEL	A	B	C1	C2	C3	TRAY SIZE 'D'	E	F
CT/350-T/EHD	350	150	250	200	160	350	455	300
CT/400-T/EHD	400	230	300	250	200	400	455	300

 # Custom-built according to your drawing also

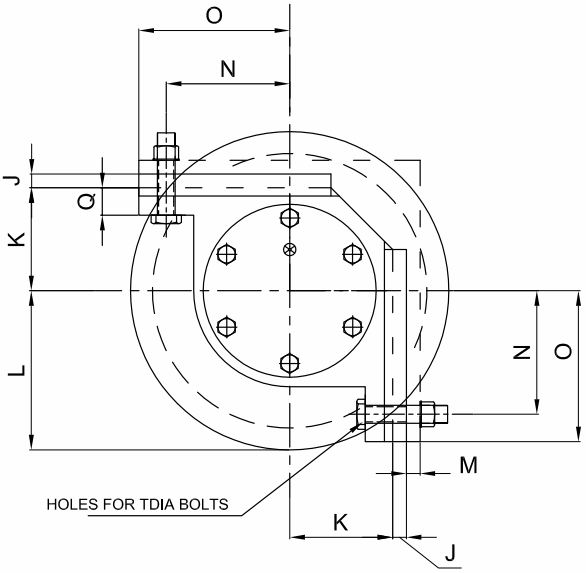
WHEEL ASSEMBLIES



Wheel assemblies are used in EOT cranes, trolleys, funicular trains, and other similar equipment. The wheels are manufactured from forged blanks, tailored to specific requirements, typically using EN9 or EN24 grade materials. The finished wheels undergo volume hardening to attain the required hardness. The wheel shafts are made from low-carbon steel, precisely engineered to meet tolerances for bearing and wheel fitment diameters. All assemblies feature anti-friction roller bearings to provide the necessary dynamic load-carrying capacity.



DRIVE WHEEL ASSEMBLY



SIDE VIEW

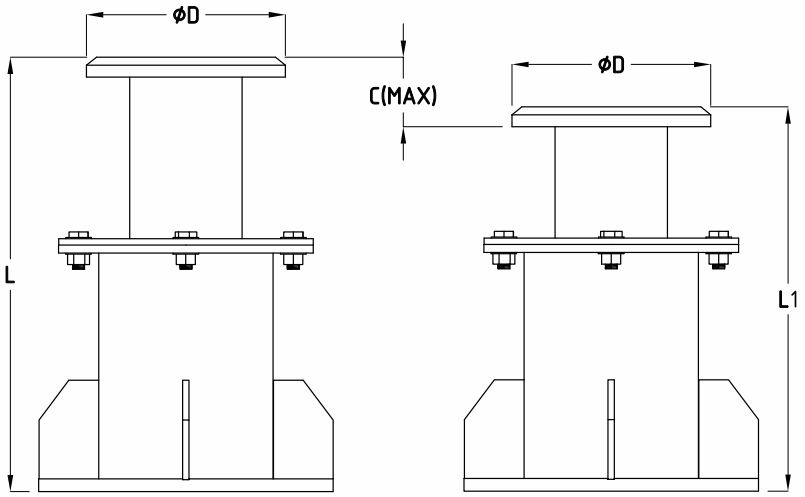
WHEEL DIMENSION CHART (HEAVY DUTY)

WHEEL DATA	WHEEL O.D.	A	B	C	D	E	F	G	H	J	K	L	N	O	P	Q	T
160	192	100	6	86	39	190	38	55	50	4	65	96	12	80	95	24	M-10
200	235	100	10	91	40	200	40	55	50	4	70	117.5	16	84	100	28	M-12
250	285	100	10	96	46	236	50	70	63	5	89	142.5	16	105	125	28	M16
320	355	112	11.5	106	49	260	56	85	63	5	103	177.5	16	122	147	32	M-20
400	445	125	12.5	120	56	305	65	95	90	6	129	222.5	16	147	172	37	M-20
500	555	150	10	140	66	330	90	115	90	6	165	277.5	20	180	206	40	M-20
630	690	170	13.5	160	77	400	112	130	118	8	184	345	20	202	232	47	M-24
710	780	170	12	166	84	440	125	160	118	8	208	390	20	225	255	47	M-24
800	870	180	12	177	95	475	150	160	130	10	220	435	25	250	285	52	M-27

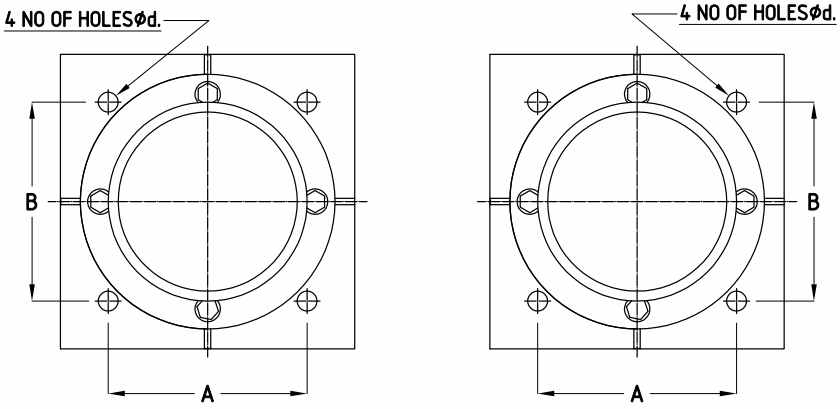
WHEEL DIMENSION CHART (LIGHT DUTY)

WHEEL DATA	WHEEL O.D.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	Q	T
160	192	100	6	81	34	180	38	55	45	4	60	96	12	80	95	24	M-10
200	235	100	10.5	85	35	200	40	55	45	4	64	117.5	16	78	95	28	M-12
250	285	100	10	87	38	225	50	70	50	5	79	142.5	16	95	115	28	M16
320	355	112	11.5	96	40	250	56	85	55	5	92	177.5	16	111	136	32	M16
400	445	125	12.5	108	46	285	65	95	90	6	114	222.5	16	132	157	37	M16
500	555	150	11.5	126	54	310	90	115	90	6	145	277.5	20	160	186	40	M-20
630	690	170	10	145	70	375	112	130	100	8	160	345	20	177	207	47	M-20
710	780	170	10.5	150	75	410	125	160	110	8	183	390	20	200	230	47	M-24
800	870	180	12	165	80	475	150	160	130	10	183	435	25	225	260	52	M-24

 # Custom-built according to your drawing also



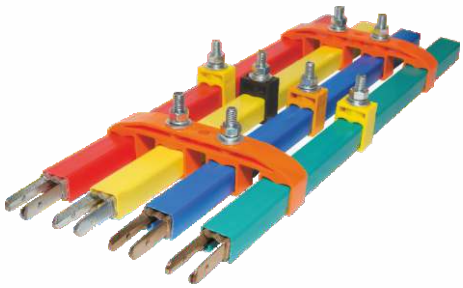
It is a safety critical component in the EOT cranes, primarily designed to prevent accidents. When the crane encounters the spring buffer, the spring's tension reverses the crane's motion, preventing collisions. Our springs are manufactured from ultrasonically tested spring steel rods and are thoroughly hardened, with kinetic and potential energy tested. The spring buffer body is fabricated using seamless pipes, equipped with robust bumper heads and base plates to withstand impacts.



MODEL NO.	A	B	C[MAX]	ØD	L	L1	Ød	KINETIC ENERGY
SB/100-A	150	120	55	100	200	145	13	1,400 kg.cm
SB/100-B	150	120	55	100	185	130	13	1,400 kg.cm
SB/125-A	200	160	75	125	300	225	17	3,900 kg.cm
SB/125-B	200	160	75	125	285	210	17	3,900 kg.cm
SB/150-A	250	200	100	150	350	250	21	17,000 kg.cm
SB/150-B	250	200	100	150	400	300	21	17,000 kg.cm
SB/175-A	300	240	125	175	440	325	21	25,500 kg.cm
SB/175-B	300	240	150	175	505	355	21	29,000 kg.cm
SB/185-A	320	240	200	185	585	385	21	63,000 kg.cm
SB/185-B	320	240	200	185	615	415	21	68,000 kg.cm
SB/185-C	320	240	200	185	705	505	21	71,000 kg.cm
SB/200-A	350	290	150	200	505	355	25	36,000 kg.cm
SB/200-B	350	290	150	200	575	425	25	45,000 kg.cm
SB/200-C	350	290	170	200	700	530	25	82,000 kg.cm
SB/225-A	350	290	150	225	600	450	25	2,10,000 kg.cm
SB/225-B	350	290	110	225	550	440	25	1,25,975 kg.cm
SB/250-A	370	250	150	250	500	350	25	50,000 kg.cm
SB/250-B	370	250	110	250	540	430	25	50,000 kg.cm
SB/300-A	400	300	200	300	565	365	26	83,000 kg.cm
SB/300-B	400	300	150	300	600	450	26	1,25,000 kg.cm
SB/300-C	400	300	170	300	700	530	26	75,000 kg.cm
SB/300-D	400	300	250	300	985	735	26	1,44,000 kg.cm
SB/300-E	400	300	260	300	1050	790	26	2,80,000 kg.cm

DSL 1 - PIN JOINT BUSBARS

SHROUDED CONDUCTOR TECHNICAL DATA					
MODEL No.	DSL1-60A	DSL1-100A	DSL1-125A	DSL1-250A	DSL1-400A
Material	Galvanized Steel			Copper	
Impedance 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



DSL 2 - BOLT JOINT BUSBARS

								
MODEL No.	DSL2-60A	DSL2-100A	DSL2-125A	DSL2-160A	DSL2-250A	DSL2-400A	DSL2-200A	DSL2-315A
Material	Galvanized Steel			Copper			Aluminium with SS	
Impedance 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

FEATURES:

- Maximum working temperature 80°C.
- Safe movement.
- Quick & easy installation.
- Finger safe / touch proof.
- Suitable for indoor and outdoor installation.
- Expansion join can be provided on request.

CURRENT COLLECTORS

Our current collectors are designed for smooth operation on railcars and overhead tower cranes, meeting all customer requirements through detailed analysis and research. Built to be corrosion-resistant and durable, they ensure long-lasting performance. Manufactured with 100% premium quality components and advanced technology, we are a leading manufacturer in India, offering current collectors, collector heads, and copper shoes, with customization available as per specific component needs.

Current Collector-CC1
(60 Amps to 125 Amps)

Current Collector-CC2
(400 Amps)

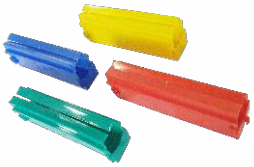
Current Collector-CC3
(250 Amps to 400 Amps)

ACCESSORIES

4 Pole Hanger (W Type)

3 Pole Hanger

1 Pole Hanger



Joint Cover

End Power Feed

End Cap

Steel Jointer

Aluminium Jointer

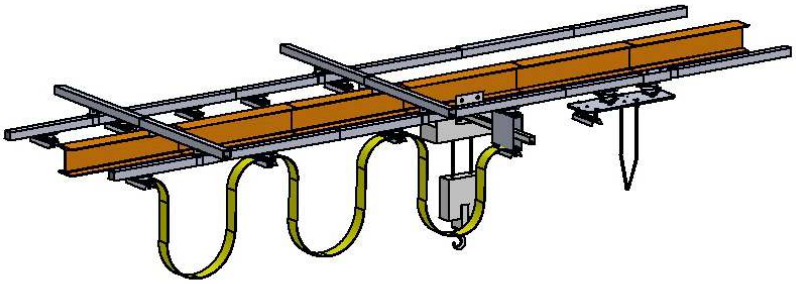
Joint Cover

Single Collector Bracket

Mounting Angle

Jointing Tool

Festoon systems are utilized to manage electrical cables on overhead EOT cranes for the transmission of power and control signals. They provide a low-resistance method for delivering power to hoists, cranes, trolleys, and various types of moving equipments.



APPLICATION:

- Overhead Cranes & Port Cranes.
- Any other material handling equipments.

FEATURES:

- Light Weight
- Less Friction & Smooth Motion
- Simple & Safe Installation

C-RAIL BAR

TRUCK COUPLER (JOINT)

TRACK SUPPORT BRACKET
(HANGER BRACKET FOR WALL FIXING)

TRACK SUPPORT BRACKET
(HANGER FOR CEILING FIXING)

TRACK SUPPORT BRACKET
(HANGER SQUARE TYPE)

SUPPORT ARM BRACKET
(HANGER CLAMP OR BEAM FIXING)

SUPPORT ARM WITH
C BRACKET

TROLLEY

DOUBLE DECKER TROLLEY

TOWING TROLLEY

DOUBLE DECKER
TOWING TROLLEY

TOWING ARM

FIXED CABLE TROLLEY

PENDANT TROLLEY
(TROLLEY WITHOUT SAFETY PLUG
AND SOCKET CONNECTION)

END STOP

SUPPORT ARM CLIP

CABLE CUP

END CAP

35 METAL PENDANT STATION MODEL - MPS

A Crane Pendant Push Button Station is a type of control station used to operate cranes, hoists, or other heavy machinery. It typically to control various crane functions such as lifting, lowering, moving, or stopping. These stations allow the operator to control the crane's movements while being safely positioned away from the crane's immediate area.

FEATURES:

- **Ergonomic Design:** Features a robust, ergonomic **metal** casing for a comfortable grip and easy handling.
- **Push Buttons:** Includes multiple buttons for controlling functions like load movement, crane positioning, and emergency stops.
- **Safety Features:** Equipped with emergency stop buttons (E-Stop) to instantly halt operations in case of danger.
- **Durability:** Built to be shock-resistant, waterproof, and dustproof, ensuring reliability in harsh industrial environments.

36 GRAVITY TYPE CURRENT COLLECTORS MODEL - GCC

A gravity type current collector is a device that carries electric power from an overhead line, electric third rail, or ground-level power supply to the electrical equipment of a vehicle. They are often used in EOT cranes, transfer cars, and ingot carriers.

FEATURES:

- Gravity type current collectors are easy to install and can withstand harsh working conditions.
- They are easy to maintain in-house.
- They can be made from cast iron, cast steel, brass, bronze, or phosphor bronze.
- They can range from 150 to 1200 amps.
- They are Anti-corrosive and sturdy

37 ROPE DRUMS MODEL - RD

Rope drums for EOT cranes are precision-crafted, engineered components for smooth and safe lifting operations. Designed for reliable and secure lifting, these rope drums are high-precision components for Electric Overhead Travelling cranes.

FEATURES:

- Available in diameters typically ranging between 200 mm and 2000 mm.
- Manufactured with precision machining from durable, heavy-duty materials.
- Engineered with accurate groove designs for perfect wire rope alignment.
- Used in EOT cranes, Elevators, Maritime Industries, Funicular trains, Ropeway trolleys and the Shipbuilding sector.

38 FABRICATED COMPONENTS

In-house fabricated components as per customer designs:

- GIRDERS
- TROLLEY / CRAB FRAMES
- END-CARRIAGES
- BOGGIES
- CANOPIES

 # Custom-built according to your drawing also

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