

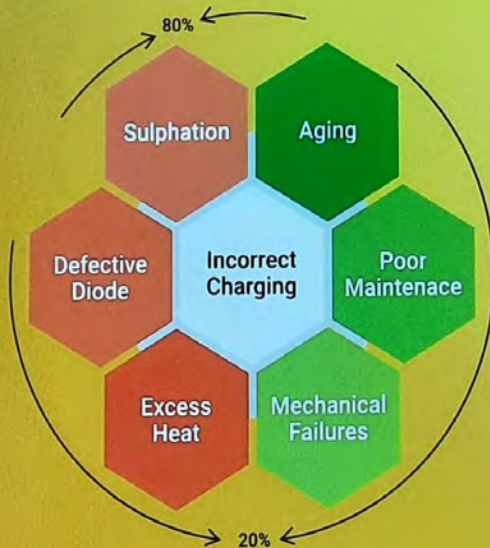


BATTERY REJUVENATION

Revive Your Old Battery and Save Environment



- Proprietary EBEP technology to revive lead acid batteries
- Restore Battery Capacity and Prolong the service life span
- Prevents and delays the Sulphation on Battery Plates
- Reduce water consumption during cycle life and power consumption in charging
- Keeps the Battery cool by reducing the internal temperature thus solving excess heat problem
- Save cost of Buying new battery in replacement of extending the life of existing
- Applicable for Batteries used in Telecom, Solar, Inverter, UPS, Golf Cart etc.



MIDEAST ENGINEERING (FZC)



TESLA POWER

AMERICAN TECHNOLOGY

MAXIMUS PERFORMANCE

PREMIUM LUBRICANTS

20W-50

5W-30

10W-40

50% Conventional Base Oil

Automotive Engine Oils

Industrial Lubricants

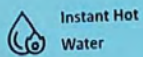
Marine Lubricants

P.O.BOX.9272,UNIT Q3- 221, SAIF ZONE,SHARJAH,UAE.
TEL: +971509204434; Email: meefzc@eim.ae
www.mideastengg.com

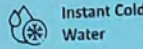


alkalino
water for healthier life

SWITCH TO ALKALINO FOR A HEALTHY LIFE.



Instant Hot Water



Instant Cold Water



13 Stages of Purification



Detoxifier for Fruits & Vegetables



Interactive LED Display



Intelligent Membrane Flushing



2-in-1 Cartridge



Protected Storage (with UV Lamp)



8 Ltrs Water Tank



Temperature & TDS Display

AMERICAN TECHNOLOGY



FEATURES	ALKALINO	KANGEN MACHINE
In-built RO Purifier	✓	✓
Mineralizer	✓	X
Alkaline Water	✓	✓
Instant Hot Water	✓	X
Instant Cold Water	✓	✓
Detoxifier	✓	X
Sediment & Carbon Filter	✓	X

BENEFITS OF ALKALINE WATER



Rejuvenates The Skin



Improves Digestion



Supports Weight Loss



Boosts Immunity



Prevents Diseases



Reduces Acidity



Strengthens Muscles & Joints



Helps Hydration

MIDEAST ENGINEERING (FZC)



**AMERICAN
TECHNOLOGY**



TESLA POWER™
MORE POWER TO YOU

**FOUR WHEELER / AUTOMOTIVE
BATTERIES**

12+12

**MONTHS
WARRANTY**

**SMF & MF
BATTERIES**

**Ca-Ca
Silver+**



 **+971 50 7607047**



MAINTENANCE FREE



HIGH POWER



SELENIUM INSIDE

Conditions Apply*

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FOUR WHEELER AUTOMOTIVE BATTERIES

SPECIFICATION CHART

12+12 MONTHS WARRANTY

JIS RANGE PASSENGER CAR

New JIS/ Application	Tesla Power Part Number	AH	CA/CCA	RC	L	W	H	TH	Polarity	PC/Layer	PC/Pallet
38B19R	TPX36B20R	32	280	41	185	127	200	220	R	32	96
38B19RS	TPX36B20RS	32	280	41	185	127	200	220	R	32	96
38B19L	TPX36B20L	32	280	41	185	127	200	220	L	32	96
38B19LS	TPX36B20LS	32	280	41	185	127	200	220	L	32	96
40B19R	TPX44B20R	35	310	53	185	127	200	220	R	32	96
40B19L	TPX44B20L	35	310	53	185	127	200	220	L	32	96
40B19LS	TPX44B20LS	35	310	53	185	127	200	220	L	32	96
50B24R	TPX55B24R	45	420	70	234	127	200	220	R	27	81
50B24L	TPX55B24L	45	420	70	234	127	200	220	L	27	81
50B24RS	TPX55B24RS	45	420	70	234	127	200	220	R	27	81
50B24LS	TPX55B24LS	45	420	70	234	127	200	220	L	27	81
55D23R	TPX55D23R	60	500	93	230	172	200	220	R	21	63
55D23L	TPX55D23L	60	500	93	230	172	200	220	L	21	63
48D26R	TPX48D26R	50	480	80	257	172	200	220	R	18	54
48D26L	TPX48D26L	50	480	80	257	172	200	220	L	18	54
65D26R	TPX65D26R	65	580	103	257	172	200	220	R	18	54
65D26L	TPX65D26L	65	580	103	257	172	200	220	L	18	54
80D26R	TPX80D26R	70	600	103	257	172	200	220	R	18	54
80D26L	TPX80D26L	70	600	103	257	172	200	220	L	18	54
105D31R	TPX105D31R	90	790	150	302	172	200	220	R	17	51
105D31L	TPX105D31L	90	790	150	302	172	200	220	L	17	51

DIN RANGE PASSENGER CAR

New JIS/ Application	Tesla Power Part Number	AH	CA/CCA	RC	L	W	H	TH	Polarity	PC/Layer	PC/Pallet
LN1-54459	TPXDIN44L	44	420	65	207	174	190	190	L	24	72
LN2-55559	TPXDIN55L	55	480	84	242	174	190	190	L	20	60
LN3-56638	TPXDIN66L	66	560	110	277	174	190	190	L	18	54
LN3-57412	TPXDIN74L	74	640	120	277	174	190	190	L	18	54
LN3-56618	TPXDIN66L	66	560	110	277	174	190	190	L	18	54
LN4-58043	TPXDIN80L	80	700	138	314	174	190	190	L	15	45
LN5-58827	TPXDIN88L	88	800	150	353	174	190	190	L	12	36
LN5-60038	TPXDIN100L	100	870	160	353	174	190	190	L	12	36

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MIDEAST ENGINEERING (FZC)



TESLA POWER™
More Power to you

**AMERICAN
TECHNOLOGY** 

HYBRID VRLA BATTERY

Value Regulated lead acid battery

APPLICATIONS: UPS/INVERTER/SOLAR



☎ +971 50 7607047



Danger



Electricity Danger



Wear eye protection



Do not short circuit



Keep children away



Read the manual



No smoking,
No naked flame,
No sparks



Pb Recycle



Do not put battery in
the trash can



Recognized by UL as
a component

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FEATURES

Longer life

Available in two design: Isometric, Horizontal

TTPL (Thinplate pure lead technology)

Low self discharge

Exceptional deep discharge recovery performance

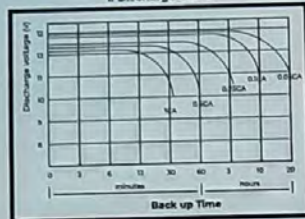
Easy and low cost maintenance

Low internal resistance of faster recharge

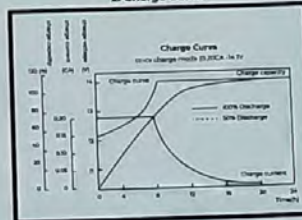
High tensile strength of container by using ABS material

CURVE

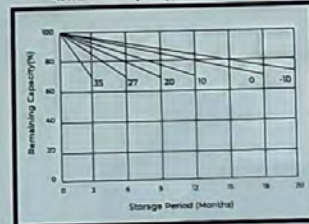
1. Discharge Curve



2. Charge Curve



4. Residual Capacity Vs. Storage time



3. Ocv vs. State Of charge



Specification

CHARGING MODE	BANK VOLTAGE @ 27°C	SINGLE CELL VOLTAGE @ 27°C	CHARGING CURRENT
FLOAT	13.62V	2.27V	10-20% OF BATTERY AH
BOOST	13.80V	2.30V	
Cycle Life @27°C	80 % DOD	50% DOD	20% DOD
	1450	2400	5200

Operating condition -20°C to 55°C

Conditions Apply*

SPECIFICATION CHART

Model Number	Capacity @ At C20 Rate	Warranty (In Months)		Dimensions in (mm)			
		Solar inverter	UPS	L	W	H	
TP1500HB	150	100*	60	532	180	290	H
				390	247	331	V
TP1800HB	180	100*	60	532	180	290	H
				390	247	331	V
TP2400HB	240	100*	60	600	185	390	H
				410	348	388	V

H: Horizontal
V: Vertical

MIDEAST ENGINEERING (FZC)



AMERICAN TECHNOLOGY 

 **TESLA POWER™**
MORE POWER TO YOU



SMF VRLA BATTERY

QUICK RECHARGE  **HIGH-END APPLICATION** 

 Eco-Friendly	Self Discharge Less than 1% per Week	Positive Plate Alloy- Lead Calcium Alloy with Maintenance Free Characteristics
 Recyclable (Return used Batteries)	Shelf life @27°C Without recharge upto 06 Months	Negative Plate Alloy- Lead Calcium Alloy with Maintenance Free Characteristics

*Conditions Apply

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UPS VRLA BATTERIES

Sealed Maintenance Free VRLA Batteries with designed features which give a higher performance and reliability, better Middle East & Tropical Conditions.

FEATURES

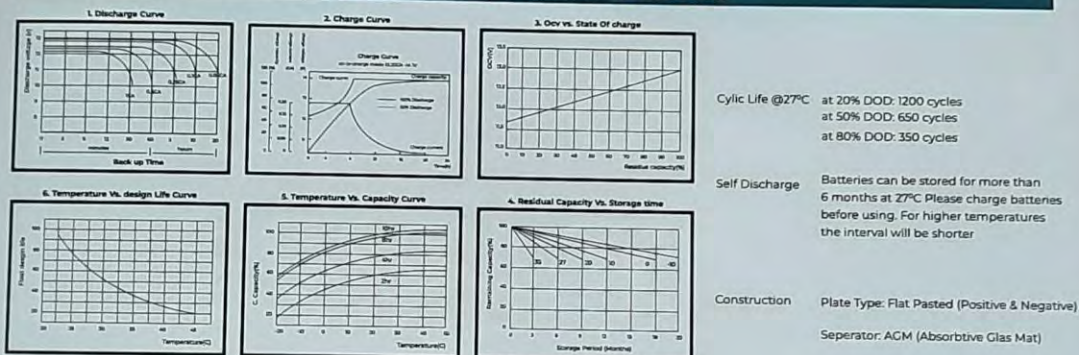
- Thin plate pure lead (TPPL) provides a large reactive surface area and low internal resistance.
- High energy density and cycling capability.
- An exceptional deep discharge recovery performance.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self-discharge characteristics.
- Thin plate pure lead (TPPL) batteries can be recharged within a short period of time.
- Gas Emission is extremely low.
- "ABS" Container Material.
- Separator: AGM (Absorbive Glass Mat)

APPLICATION: UPS System, Telecommunication Equipment, Fire Alarm & Security Systems, Office Automation Equipment, Data Centre, Power Plant, Railways & various other applications

GENERAL SPECIFICATIONS

Battery Type	Capacity (Ah)	No. of Cells	Nominal Voltage (V)	Length (mm)	Width (mm)	Height (mm)
TPSMF-42	42	6	12	198	166	170
TPSMF-65	65	6	12	350	169	174
TPSMF-80	80	6	12	330	172	223
TPSMF-100	100	6	12	330	172	223
TPSMF-120	120	6	12	407	173	240
TPSMF-150	150	6	12	520	240	222
TPSMF-200	200	6	12	522	239	223

PERFORMANCE CHARACTERISTICS



Discharge Current I (A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85V_{pc}$	$\geq 1.80V_{pc}$	$\geq 1.75V_{pc}$	$\geq 1.70V_{pc}$	$\geq 1.60V_{pc}$



TESLA POWER

AMERICAN TECHNOLOGY

Tesla Power Solar Battery

An Ideal Solution for Storage of Solar Energy

More Power to You

Advantages

- Factory Charged
- Ensuring High Performance
- Environment Friendly

Features

- Low maintenance
- Deep cycle design technology
- High acid volume
- Low self discharge



SOLAR TUBULAR BATTERY Technical Specification

Model Name	Warranty (in Months)	Capacity C10 @ 27 C	Capacity C20 @ 27 C	Dimensions in (mm)			Charging Current (Amps)
				L	W	H	
TPXS40	72*	40Ah	50Ah	410	175	230	4
TPXS120	72*	120Ah	150Ah	490	180	390	12
TPXS150	72*	150Ah	190Ah	490	180	390	15

*Conditions Apply

PRODUCT FEATURES

- Using best grade PP containers and lid
- Tubular positive plate made with PDC Machine of ZIBO
- High tensile resistance / Porosity polyester gauntlets
- High Porosity PE Envelope separators from DARAMIC, USA
- Micro porous ceramic vent plug
- Heavy duty terminals
- SS fasteners
- Double side pasting negative plate



MIDEAST ENGINEERING (FZC)



**AMERICAN
TECHNOLOGY**



 **TESLA POWER™**
MORE POWER TO YOU

**FOUR WHEELER / AUTOMOTIVE
BATTERIES**

12+12

**MONTHS
WARRANTY**

**SMF & MF
BATTERIES**

Ca-Ca Silver+



 **+971 50 7607047**



MAINTENANCE FREE



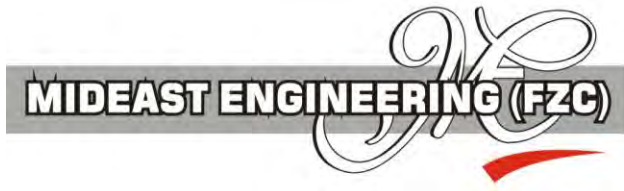
HIGH POWER



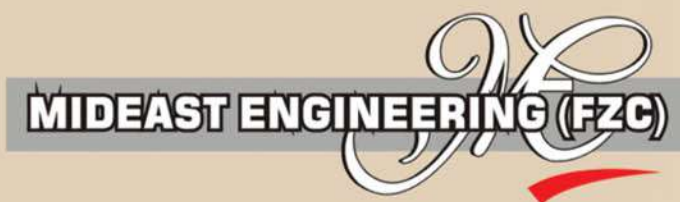
SELENIUM INSIDE

Conditions Apply*

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MIDEAST Engineering was incorporated in 2005 under Free Economic Zone in UAE.

The company caters to various segments like Utilities, Electricity Authorities, Construction Companies, etc.

Our esteemed clients include DEWA, FEWA, MEW, SCECO, WED, KAHRAMA, QP, etc.

Our main product line ranges from Electrical Accessories, Pole Line Hardware, Light Fittings, Overhead Line Materials, Pipes, Poles, Masts, Tower, Telecom, Transmission, Scaffoldings, Lightning Arresters, Polymeric Insulators.

"EAST AND WEST MIDEAST IS BEST"

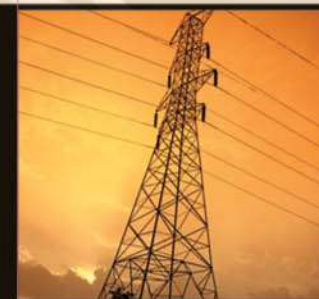
One stop for all your requirement of Electrical, Overhead Line Accessories Earthing Materials. As per BS, IEC, ASTM standards. No order is too small or too big for us. We cater to your requirement and believe in fair price, fast deliveries and best service. Your dependable partner for big tender or supplies.



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Near Decoration Round About
Salwa Road,
P.O. Box : 23811
Doha, Qatar
Tel : 00974-4581374 Fax : 00974-4505489
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AN ISO 9001-2008 COMPANY



total electrical and power
solutions



POLE LINE HARDWARE

POLE LINE HARDWARE

- Crossarm
- Anchor Plate
- Extension Clevis
- D Iron Bracket
- Band Pole
- Thimble Guy
- Anchor Shackle
- Guy Rods
- Insulator Forged Pins
- Galvanised Pipe
- Section/Terminal Strap
- Tie Straps (Straight/Twisted)

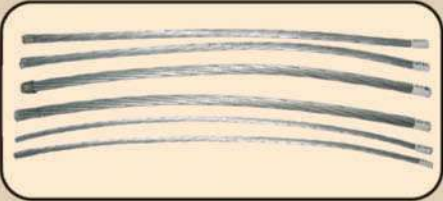


- Tension Clamp
- Compression Dead End
- Suspension Clamp
- Socket Clevis
- Strap Bolts

OVERHEAD LINE MATERIALS

OVERHEAD LINE MATERIALS

- Isolator
- Disc Insulator
- Dropout Cutout
- Surge Arrester
- Polymeric Insulator



- Galvanised Stay Wire



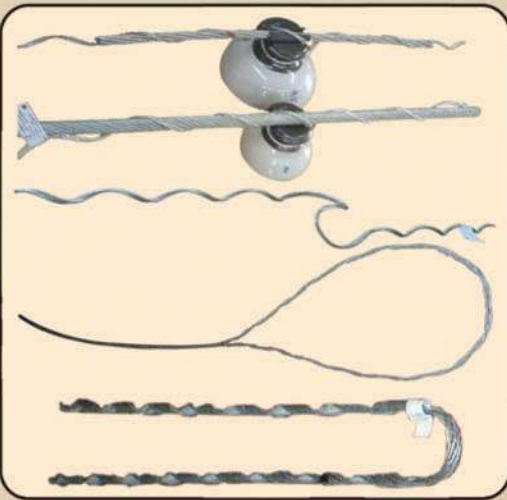
- Wedge Grip
- Danger Sign
- Phase Plate

- Strapping Band SS/PVC



PREFORMED LINE PRODUCTS

PREFORMED LINE PRODUCTS



- Line Post Top Tie
- Line Post Side Tie
- Armour Rods
- Guy Grip Dead End
- Conductor Splices

EARTHING MATERIALS

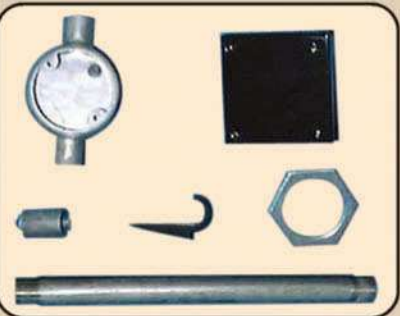
EARTHING MATERIALS

- Earth Rod
- Coupler
- Driving Stud
- D C Clip
- Earth Powder
- Earthing Strip



ELECTRICAL WIRING ACCESSORIES

ELECTRICAL WIRING ACCESSORIES



- Conduit Accessories
- Metal Conduits
- Adaptable Boxes
- Couplers
- Junction Boxes
- Crampets
- Lock Nuts
- Lock Rings

- Cable Lugs
- Bi-metallic Lugs
- P.G.Connector
- Bi-metallic P.G.Connector



- Gland Packs



- Terminal Box

POLES, PIPES & MANHOLE COVERS

POLES, PIPES & MANHOLE COVERS

- Lighting Poles, Transmission Poles, Galvanised Pipe, Scaffolding



- Ductile Iron Manhole Cover



UK ITEMS

3M

3M Scotchcast cable joints and resins, 3M Scotchlock connectors, 3M Scotch tapes and Cold Shrink high voltage cable joints, terminations and abandonment kits.

Cold Shrink Cable Joints, Terminations, Abandonment



ABB

ABB surge arresters, fuses, joints, terminations.

HV Electrical Equipment



A-BELCO
GROUP OF COMPANIES

A-BELCO Reyrolle Easigo industrial plugs and sockets provide an extensive choice of protected type non-reversible, single and three phase plug and socket units.

Plugs & Sockets



ABTECH
www.abtech.eu

Abtech electrical enclosures for industrial, high voltage and hazardous area (ATEX) applications including stainless steel, mild steel, fire rated, GRP, aluminium and polycarbonate enclosures.

Electrical Enclosures



ALROC

Alroc cable jointing and preparation tools including screen removers, cable insulation and cable sheath strippers.

High Voltage Jointers Tools



BAND-IT
THE CLAMPING EXPERTS

BAND-IT stainless steel cable ties and banding systems offer excellent corrosion, strength and temperature performance.

Stainless Steel Cable Ties



BAUR

Baur cable fault locators and cable test sets for LV-HV cable networks.

Cable Fault Locators & Cable Test Sets



BODDINGTONS
ELECTRICAL

Boddingtons Electrical insulated tools, cable preparation tools and electrical safety products.

Insulated Tools, Mats, Ladders, Rescue Hooks, Cable Guard



Bussmann

Bussmann low voltage fuses including industrial, compact dimension, semi-conductor protection, motor circuit, street lighting, IEC and DIN standard fuse-links.

Fuses



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Cable detection equipment for the location and tracing of underground pipes and cables.

Cable Detection



CATU electrical safety equipment: insulating gloves and tools, rescue hooks, life rescue kits, voltage detectors, short-circuiting and earthing systems.

Electrical Safety & Substation



Cembre crimp connectors and cable lugs - ratchet, hydraulic and battery crimping and cable cutting tools.

Crimping & Cutting Tools, Cable Lugs



Centriforce underground cable protection for LV-HV power and fibre optic cables including Stokboard, Centritile and Tape Tile ranges.

Underground Cable Protection



Charles Endirect street lighting cut-outs, isolators, feeder pillars and CET earthing for SWA cables.

Street Lighting



Chromalox immersion heaters and industrial process heaters for water, oils, viscous fluids, solvents and gases.

Immersion Heaters & Process Heating



Craig & Derricott design and manufacture both hazardous and non hazardous industrial control gear/switchgear.

Emergency Stop/Starts, Push Buttons, Control Stations, Rotary Switches



CMP industrial, flameproof, LSF, universal and barrier cable glands including Triton Zen, Solo and CIEL high voltage cable glands.

Cable Glands



MIDEAST ENGINEERING (FZC)



CSD RISE duct seal system is a multi-cable and pipe transit sealing system providing an effective and simple solution.

Duct Sealing



CTL Clearcast low voltage resin cable joints to suit XLPE, EPR, PVC, PILC and utility cables - straight, branch, transition and pot-end cable joints.

Cable Joints, Low Voltage



Denso specialised pipe and structural coatings and marine protection systems including tapes, brush and spray applied liquid coatings, mastic primers and sealants.

Waterproofing Mastics, Sealants & Tapes for Utility Cables and Pipes



Ellis Patents cable cleats are designed to fix, retain and support cables: stainless steel, aluminium and nylon cable cleats including Emperor, Atlas, Vulcan and Varicleat ranges.

Cable Cleats



Spelsberg junction boxes are available as empty housings or fitted with terminals - LSF and ATEX junction boxes at lowest cost.

Junction Boxes



Ferraz Shawmut LV-HV fuse links and fusegear circuit protection solutions.

LV-HV Fuses



Furse copper earth tape, earth bars, earth rods, earth plates. Surge protection for mains power supplies, signal, telephone and electronic systems for building services.

Earthing & Surge Protection



Hellermann Tyton heat shrink tubings including thin wall, medium wall and heavy wall adhesive lined for sheath repair, strain relief and mechanical protection.

Heat Shrink



Lawson low voltage fuse links: industrial, compact dimension, motor circuit, utility, street lighting and DIN standard fuses.

Fuse Links



Network Rail and London Underground Limited approved electrical equipment.

Rail Electrification



LMK Thermosafe drum and IBC heaters for safe and hazardous area process heating up to 1000 litres.

Drum Heaters & IBC Heaters



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Lucy Lighting street lighting and house service cut-outs, isolator units, fuse units and Fortress feeder pillars in cast iron, stainless and galvanised steel.

Feeder Pillars



Marechal plugs and sockets provide low voltage power supplies for standard, industrial, high current and hazardous areas (ATEX).

Plugs & Sockets



MCT Brattberg cable transit system provides a certified cable and pipe seal. MCT Brattberg cable transits and pipe penetration seals are installed in walls and floors to maintain fire, gas and water integrity.

Cable Transit



Newson Gale offer a wide range of earthing and bonding, static earthing and anti static electricity control solutions for flammable, combustible and explosive atmospheres.

Static Earthing Systems, Self Testing Clamps, Static Bond Indicating Systems



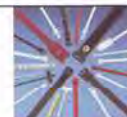
Nexans Euromold screened separable connectors and elbows are used to terminate high voltage cables into switchgear and transformer bushings up to 33kV.

Screened Separable Connectors



Panduit cable accessories are specified in telecommunications, OEM's, construction, utilities, oil, gas and petrochem industries.

Cable Ties, Lock Out & Tag Out Systems, Cable Marking Systems



Peppers cable glands including industrial, flameproof, universal and barrier glands.

Cable Glands



Pfisterer Connex high voltage cable joints, terminations and connection systems for gas insulated switchgear: inner cone plug cable terminations, multiple sockets and surge arresters.

High Voltage Electrical Equipment



Polypipe underground cable ducting for LV-HV power, telecoms and fibre optic cables.

Underground Cable Duct



Prysmian cable joints, terminations, glands and cleats including hook, claw, trefoil, Multicleat and Telcleat ranges.

Cable Cleats, Glands & Joints



PT Technologies manufacture solvent and water based wipes and lubricants.

Electrical and Cable Cleaning



MIDEAST ENGINEERING (FZC)



Roxtec cable transits protect against fire, vibration, temperature variations, pull tension and shockwaves.

Cable Transits



Salisbury arc flash protection and PPE including arc flash suits, jackets and face shields.

Arc Flash Clothing & PPE



SEB cable laying rollers, socks, drum jacks and conduit rods for trench and duct applications.

Cable Laying, Rollers, Jacks, Conduit Rods



MIDEAST ENGINEERING (FZC)



seba KMT

Seba KMT design and manufacture tools and equipment that assist in the diagnosis, fault location and tracing of underground power, telecommunication and pipe networks.

Pipe, Cable Location, Telecom Fault Location, Electrical Power LV & HV



SIBA

SIBA fuses for the protection of high voltage transformers, motors, switchgear and capacitor circuits.

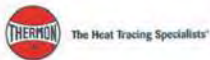
Fuses, High Voltage



SIEMENS

Siemens SITOP semi-conductor fuses are intended for protecting diodes and semi-conductors.

Fuses, Semiconductor



Thermon trace heating cables for frost protection, hot water, gutter heating, ramp heating and hazardous area ATEX process heating systems.

Trace Heating



Thomas & Betts

Thomas & Betts high performance Ty-Rap cable ties with stainless steel locking heads for industrial, hazardous area, construction and high voltage cable installations.

Cable Ties



Tofco feeder pillar cabinets, control panels, street lighting cut outs and passive safety equipment.

Feeder Pillars, Control Panels, Street Lighting Cut-outs & Passive Safety Equipment



WT Henley house service and street lighting cut-outs, multi service pillars, fusegear, polyurethane resins and plastic compounds.

Fusegear & Cut Outs



AN Wallis earthing, lightning protection and low-voltage surge protection systems.

Earth Rods, Tapes, Bars and Surge Protection



P.O.BOX.9272, SAIF ZONE, SHARJAH, UAE.

TEL: +9714 3547282; Email: meefzc@eim.ae; sales@mideastengg.com

www.mideastengg.com

MIDEAST ENGINEERING (FZC)



3M

3M Scotchcast cable joints and resins, 3M Scotchlock connectors, 3M Scotch tapes and Cold Shrink high voltage cable joints, terminations and abandonment kits for hazardous areas.

Cold Shrink Cable Joints, Terminations, Abandonment



ABTECH
www.abtech.eu

Abtech hazardous area electrical enclosures (zone 1 and 2) in aluminium, GRP, mild or stainless steel with ATEX certification for low and high voltage power distribution up to 33kV.

Electrical Enclosures



CS
Clifford & Snell

Clifford & Snell hazardous area, explosion proof, industrial and general purpose beacons (strobes), sounders (horns) and manual call point stations.

Beacons (Strobes), Sounders (Horns) & Manual Call Points



MIDEAST ENGINEERING (FZC)



Exheat hazardous area electrical heating products include immersion, line, skid, drum and flow heaters for process temperature maintenance.

ATEX Air Heaters, Immersion Heaters, Line Heaters, Water Heaters



Extronics intrinsically safe digital camera is the perfect visualisation tool for zone 0 hazardous areas with ATEX and IECEx certifications.

ATEX Zone 0 Digital Cameras



Hadar hazardous area and safety lighting - flameproof, emergency, zone 1, zone 2, fluorescent and luminaire lighting.

Flourescent, Recessed, Bulkhead, Wellglass, Floodlight and Portable Lighting



Kopex flexible metallic and non-metallic conduit systems with ATEX certification for safety critical cable management.

Conduit Systems



LMK Thermosafe heating products are used to heat steel drums, barrels, containers, gas bottles or process vessels in zones 1 and 2.

Induction Drum Heaters, IBC Heaters, Flexible Heating Jackets



Marechal plugs and sockets provide low voltage power supplies (1000v) up to 600amps with ATEX certification for use in explosive atmospheres and zones 1, 2, 21 and 22.

Plug & Sockets



Prysmian cable joints, terminations, flame proof cable glands and cleats including hook, claw, trefoil, Multicleat and Telcleat ranges.

Cable Cleats, Glands & Joints



Technor hazardous area flameproof and explosion proof (Ex d) electrical equipment is specified in the oil, gas and petrochemical industries.

Enclosures, Control Stations, Lighting, Switches, Gas Detection



Thermon trace heating services include the design, supply and installation of hazardous area trace heating systems for zone 1 and 2 applications.

Trace Heating Cables and Systems



Walsall (Pepperl+Fuchs) explosion protected products range from lighting and enclosures through to local control and distribution systems with ATEX certification for zones 1, 2, 21 and 22.

Control Stations, Enclosures, Distribution Boards, Breakglass & Power Switching



Wolf Safety Lamp explosion protected safety lamps and portable lighting for hazardous areas and ATEX certified for zone 1 and zone 2.

Portable Lighting (Torches, Handlamps, Headlamps)



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Class 00-4 (500V to 33kV) insulating gloves for LV-HV cable and electrical engineers.

Insulated Gloves



LV-HV safety matting up to 33kV for working on open switchboards and live equipment.

Switchboard Rubber Matting



Voltage detectors for underground cables, overhead lines and 66-132kV transmission applications.

Voltage Detector & Phase Comparators



Protective switching suits for "racking-in and racking-out" of electrical equipment.

Arc Flash PPE



LV-HV earthing kits for underground cables, substation and overhead lines, including DNO specifications.

Portable Earthing Systems



High voltage substation life rescue and intervention kits.

Life Saving Substation Rescue Kit



Isolated electricity supply to LV-HV substations and equipment.

Lock-out Tag-out





Tool sets for cable jointers, electrical engineers and utility contractors.

Insulated & Live Line Tools



Climbing workwear boots for power and telecomms workers, this includes HAIX and Royer brands.

Safety Boots



LV-HV insulating rubber boots protect against step and touchpotential gradients.

Insulated Boots



Vacuum Packed Rescue Equipment



Fall arrest harnesses for safe working on onshore and offshore wind turbines.

Cresto Fall Arrest Harness



Fall arrest harnesses for safe working on onshore and offshore wind turbines.

Sirocco Fall Arrest Harness





CABLOFIL
INNOVATORS IN CABLE MANAGEMENT

Cablofil wire mesh cable basket provides the highest quality cable containment system - strong, fast, safe, clean and ventilated LV-HV cable support.

Cable Basket



Unitrunk
CABLE MANAGEMENT

Unitrunk cable tray available in light, medium and heavy duty versions and made from pre or post galvanised steel (epoxy or powder coated) and stainless steel grades 304 and 316.

Cable Tray



Vantrunk
CABLE MANAGEMENT

Vantrunk cable ladder is available in 3 section heights for all low and high voltage power cable containment and routing applications.

Cable Ladder



MITA
cable management

Mita GRP cable tray is specified by Network Rail for the containment of power, signal and telecoms cables - this includes London Underground (LUL) approved low, smoke and fume type cable tray.

Cable Tray GRP & LSF Zero Halogen

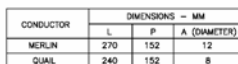


Anderton

Anderton concrete cable trough is available in a range of depths to support trackside cables on mainline, light rail and underground train systems.

Concrete Cable Trough





L - TOTAL LENGTH
P - LENGTH OF PIN TYPE CONNECTOR
A - DIAMETER OF PIN TYPE CONNECTOR
MATERIAL: ALLUMINIUM ALLOY

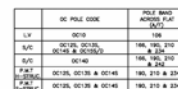


FIG.10: POLE BAND (STAY CLAMP) FOR OCTAGONAL STEEL POLE



ALL DIMENSIONS ARE IN MILLIMETER



ALL DIMENSIONS ARE IN MILLIMETERS



ALL DIMENSIONS ARE IN MILLIMETER

MIDEAST ENGINEERING (FZC)

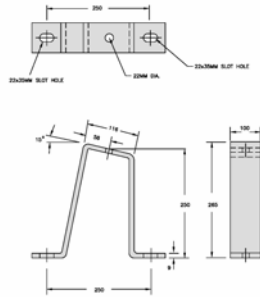


FIG. 8: HORIZONTAL INSULATOR MOUNTING BRACKET
ALL DIMENSIONS ARE IN MILLIMETER



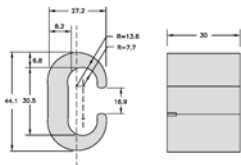
FIG.55A: STAINLESS STEEL BUCKLE LOCKING CLAMP
FOR STAINLESS STEEL STRAP

ALL DIMENSIONS ARE IN MILLIMETER



TECHNICAL DATA
DIAMETER RANGE = 40mm TO 230mm
BREAKING LOAD = 535 N
WIDTH = 7.8mm
POLYESTER OR NYLON MATERIALS
STORAGE TEMPERATURE = -10°C TO 80°C

FIG.43: CABLE TIE
ALL DIMENSIONS ARE IN MILLIMETER



TECHNICAL DATA
MATERIAL: COPPER
FINISHING: ETCHED
APPLICATION: COPPER C-TAP FOR GROUNDING APPLICATION
SIZE: 100-125 mm²
GROUND ROD: 5/8" (16mm)
TAP: 25 - 125 mm²

FIG.45: CHIMPFIT COPPER CONNECTOR
ALL DIMENSIONS ARE IN MILLIMETER

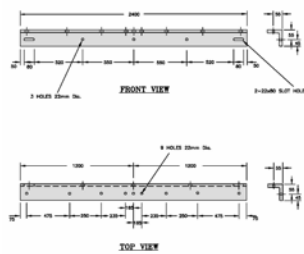


FIG.1: CROSSBAR - 1 100x100x12x4000mm L.G.

ALL DIMENSIONS ARE IN MILLIMETER

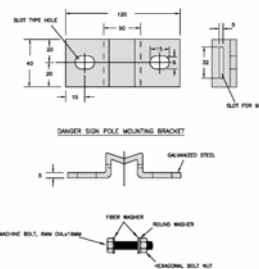


FIG.50: DANGER SIGN MOUNTING BRACKET

ALL DIMENSIONS ARE IN MILLIMETER

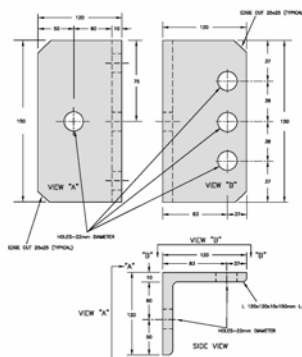


FIG. 5: EARTHWIRE SUSPENSION SUPPORT-1 120x120x10x150mm L.G.
ALL DIMENSIONS ARE IN MILLIMETER

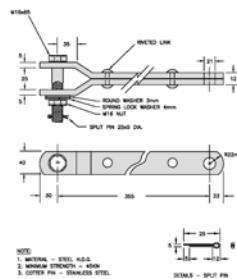
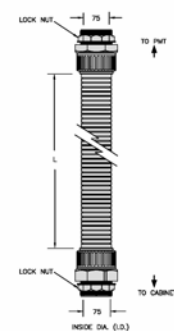


FIG.21: CLEVIS EYE EXTENSION

ALL DIMENSIONS ARE IN MILLIMETER



L (M)	DESCRIPTION
2M	FLEXIBLE CONDUIT 75mm I.D. WITH COUPLING FOR 4x300mm ² INCOMING CABLE
4M	FLEXIBLE CONDUIT 75mm I.D. WITH COUPLING FOR 4x185mm ² INCOMING CABLE

MIDEAST ENGINEERING (FZC)

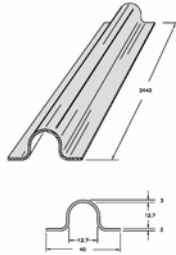


FIG.43: PVC GROUND WIRE GUARD

ALL DIMENSIONS ARE IN MILLIMETER

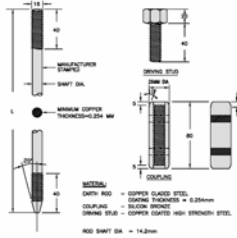


FIG.45: GROUNDING ROD 16mm DIA.

ALL DIMENSIONS ARE IN MILLIMETER

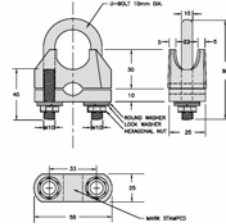


FIG.44: GROUND ROD CLAMP U-BOLT TYPE

ALL DIMENSIONS ARE IN MILLIMETER

FIGURE - 1 - BASE ALUMINUM PAINTED BLACK, THICKNESS 1MM
FIGURE - 2 - NUMBERS AND LETTERS, CUT THROUGH, PAINTED YELLOW - THICKNESS 1MM.



FIGURE-1



FIGURE-2

FIG.50: EQUIPMENT NUMBERING PLATES

ALL DIMENSIONS ARE IN MILLIMETER

FIGURE - 1 - BASE ALUMINUM PAINTED BLACK, THICKNESS 1MM
FIGURE - 2 - NUMBERS AND LETTERS, CUT THROUGH, PAINTED YELLOW - THICKNESS 1MM.



FIGURE-1



FIGURE-2

FIG.51: POLE NUMBERING PLATES

ALL DIMENSIONS ARE IN MILLIMETER

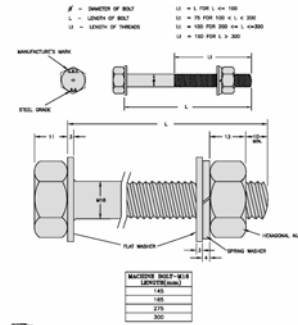
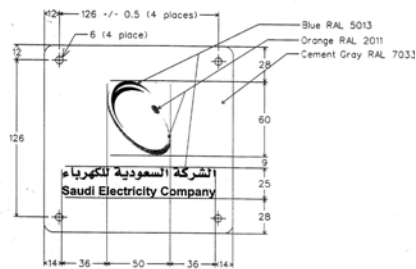


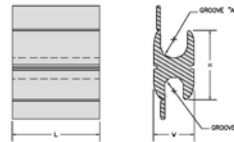
FIG.14: MACHINE BOLT - M16

ALL DIMENSIONS ARE IN MILLIMETER



Note:

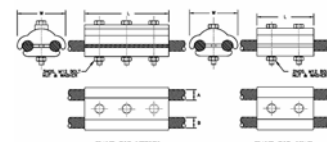
- 1) All Dimension are in millimeters.
- 2) 150 X150 X 1.5 thick, aluminum plate with three (3) color monogram
- 3) Specimen for color shades shall be obtained from SEC.
- 4) Size of symbols and lettering shall be proportional to the overall dimensions of the monogram.



CONDUCTOR		DIMENSIONS			
GROOVE "H"	GROOVE "H"	H	L	W	M
WELUN	WELUN	48	115	32	
WELUN	WELUN	48	115	32	
WELUN	WELUN	48	115	32	
WELUN	WELUN	48	115	32	
QUADRUPLER MESSENGER	QUADRUPLER MESSENGER	36	51	21	
QUADRUPLER MESSENGER	QUADRUPLER MESSENGER	36	51	21	

FIG.39: PARALLEL GROOVE COMPRESSION TYPE CONNECTORS

ALL DIMENSIONS ARE IN MILLIMETER



CONDUCTOR		DIMENSIONS			
GROOVE "H"	GROOVE "H"	H	L	W	M
WELUN	WELUN	110	80	3	12
WELUN	WELUN	110	80	3	12
WELUN	WELUN	110	80	3	12
WELUN	WELUN	110	80	3	12

N.B.T. :
1. BODY : ALUMINUM ALLOY
2. MACHINE BOLT : 10.9
3. TOLERANCE : AS PER ALL DIMENSIONS

FIG.39A: PARALLEL GROOVE CONNECTOR BOLTED TYPE

ALL DIMENSIONS ARE IN MILLIMETER

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MIDEAST ENGINEERING (FZC)

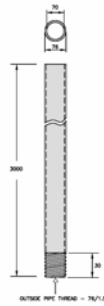


FIG.58: SERVICE DROP STEEL PIPES (70mm Inside Dia.) WITH 3 mm MIN. (±5%) THICKNESS

ALL DIMENSIONS ARE IN MILLIMETER

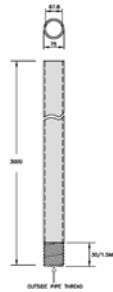


FIG.59a: PVC/PE PIPE FOR P.M.T STRUCTURE H & S (75mm Outside Dia.) WITH 3.5mm MIN. (±5%) THICKNESS

ALL DIMENSIONS ARE IN MILLIMETER

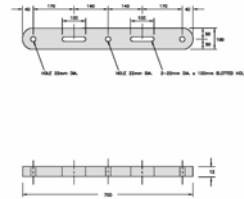
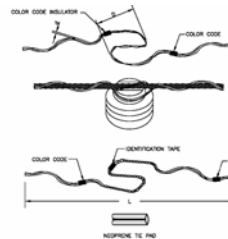
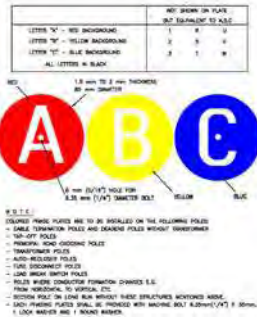


FIG. 7: DOUBLE ARMING PLATE-100x12x700mm L.G

ALL DIMENSIONS ARE IN MILLIMETER



SL. NO.	CONDUCTOR	NO. OF ROD	NO. OF STAYS	REMARKS
1	10mm	10	10	WITH 10mm ROD
2	10mm	10	10	WITH 10mm ROD
3	10mm	10	10	WITH 10mm ROD
4	10mm	10	10	WITH 10mm ROD

FIG.30: PREFORMED LINE POST INSULATOR TOP TIE

ALL DIMENSIONS ARE IN MILLIMETER

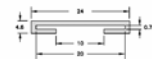


FIG.55B: SEMI RIGID PVC SLEEVE FOR STAINLESS STEEL STRAP

ALL DIMENSIONS ARE IN MILLIMETER

MIDEAST ENGINEERING (FZC)

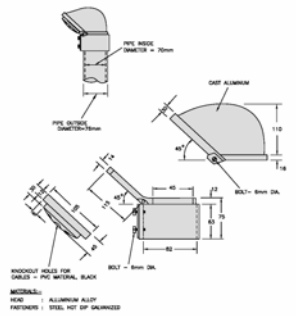


FIG.58: SERVICE ENTRANCE HEAD FOR MAST 75mm DIA. STEEL PIPE
ALL DIMENSIONS ARE IN MILLIMETER

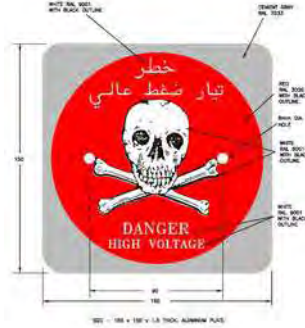


FIG.49: DANGER SIGN PLATE
ALL DIMENSIONS ARE IN MILLIMETER

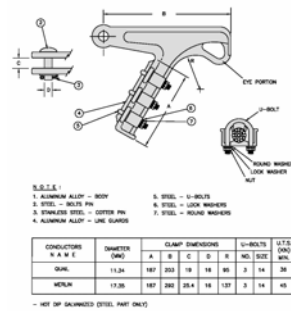


FIG.59: STRAIN CLAMPS, 3 U-BOLTS TYPE
ALL DIMENSIONS ARE IN MILLIMETER

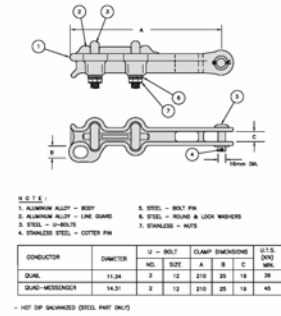


FIG.50: STRAIN CLAMP, STRAIGHT LINE DEADEND (2U-BOLT TYPE)
ALL DIMENSIONS ARE IN MILLIMETER

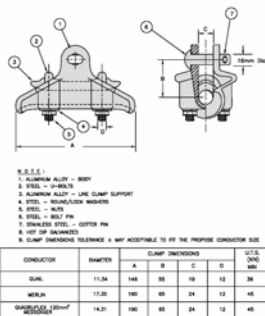


FIG.51: SUSPENSION CLAMP
ALL DIMENSIONS ARE IN MILLIMETER

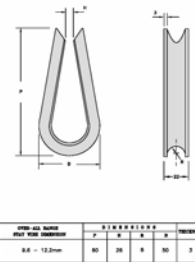
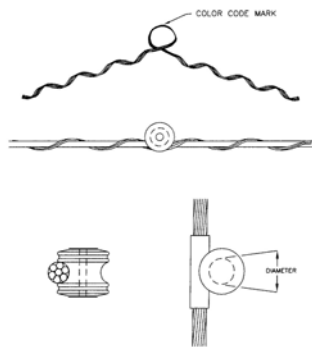
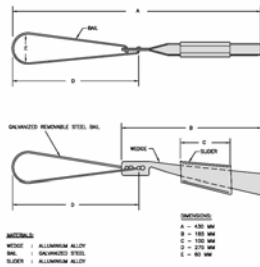
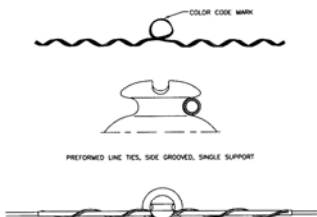


FIG.57: GUY THIMBLE
ALL DIMENSIONS ARE IN MILLIMETER

MIDEAST ENGINEERING (FZC)



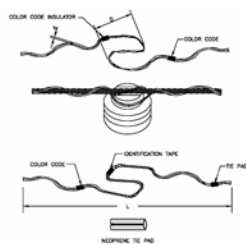
CONDUCTOR ACSR/AW	DESCRIPTION			
	ROD DIA. D mm	ROD LENGTH L mm	NO. OF RODS PCS SET	COLOR CODE
MERLIN	4.88	1721	12 PCS.	BLUE
QUAL	4.06	1372	10 PCS.	BLUE
PENGUN	4.47	1324	11 PCS.	RED



CONDUCTOR ACSR/AW	OVERALL CONDUCTOR DIAMETER
MERLIN	17.35
MERLIN WITH ARMOUR	27.11
QUAL	11.34
QUAL WITH ARMOUR	19.45

CONDUCTOR A C S R	OVERALL CONDUCTOR DIAMETER CONDUCTOR SIZE + LINE GUARDS
MERLIN	17.35
MERLIN WITH ARMOUR	27.11
QUAL	11.34
QUAL WITH ARMOUR	19.45

STAY WIRE		PREFORMED GUY GRIP			
STAY WIRE	NO. OF STRANDS/ DIAMETER	OVERALL DIAMETER OF STAY WIRE (MM)	LENGTH (MM)	NUMBER OF STRANDS	ULTIMATE TENSILE STRENGTH (MM)
GALVANIZED STEEL STRAND	7/4	12	1000	6	100 KN



CONDUCTOR	ROD DIA. D mm	ROD LENGTH L mm	NO. OF RODS PCS SET	COLOR CODE	REMARKS
MERLIN	4.88	1721	12 PCS.	BLUE	
QUAL	4.06	1372	10 PCS.	BLUE	
PENGUN	4.47	1324	11 PCS.	RED	

ALL DIMENSIONS ARE IN MILLIMETER

FIG.35: PREFORMED LINE POST INSULATOR TOP TIE

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TEL: +9714 3547282;Email: sales@mideastengg.com; meefzc@eim.ae

www.mideastengg.com

MIDEAST ENGINEERING (FZC)

SURGE ARRESTERS

ZnO BLOCKS (MOROX)

The Core Ingredient in MORESTER or LASER IS ZnO block and is specially formulated at LAMCO's most modern plant. It contains major ingredient of zinc oxide and small amounts of other selected metal oxides. These are mixed in powdered form and pressed to form as disk shape, fired at high temperatures thus resulting in a dense polycrystalline ceramic. This ensures a high quality product with a non-linear character which allows a very low leakage current at continuous operating voltage.

Zno blocks manufactured in different diameter and height combinations, meet the specific requirement of Distribution as well Station Class (1 to 4) Lightning Arresters as specified IEC 99-4 of 1991, ANSI C62-11 of 1993 and IS-3070 Part-3.



SURGE ARRESTERS

Two types of Surge Arresters are presently being manufactured depending on the outer casing are 1) Porcelain type 2) Polymer type.

PORCELAIN LIGHTING ARRESTERS



CONSTRUCTION: The assembly of MORESTERS generally is of single column and consists of a stack of ZnO (Metal Oxide) Blocks (discs) assembled in series in a porcelain housing.

MIDEAST ENGINEERING (FZC)

POLYMERIC SURGE ARRESTERS

The Arresters are hermetically sealed using high quality rubber gaskets/O-rings at both ends of the bushing. Heat generated in the valve (disc) element is dissipated through conducting metal spacers and silicone rubber bumpers. Strong FRP tie members ensure rigid construction to hold the ZnO discs together.

PERFORMANCE: LAMCO's MORESTERS (Gapless Arresters) have been designed, manufactured and tested generally in conformation to IS 3070 (Part-3) 1993/ latest version IEC 60099-4 of 2006 IEEE/ANSI.

RATED VOLTAGE: The objective of Arrester application is to select lowest rated LA that will have satisfactory service on the power system while providing protection to the Sub-Station equipments. Continuous system (operating) voltage, temporary over voltage, switching surges are to be considered while deciding the rating.

CONTINUOUS OPERATING VOLTAGE (COV): Since the gapless arresters (MORESTERS) continuously bleeds power, choosing of incessant operating voltage is the key factor. Continuous operating voltage is maximum permissible rms value of power frequency voltage that may be constantly applied between the arrester terminals. The COV levels of each Arrester rating of the MORESTERS are given in technical particulars given in our web site.

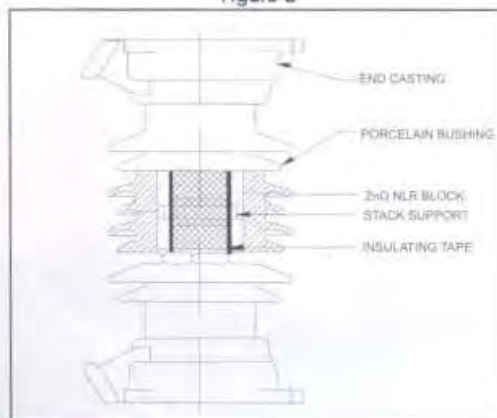
HIGH NON-LINEARITY ENHANCED PROTECTIVE LEVELS:

Our MORESTERS have property of high linearity. High non-linearity offers lower protective levels, thereby offering higher protecting margins with respect to the equipment insulation to be protected. Enhanced service life due to high non-linearity our MORESTERS do not draw any power follow current after passage of surge and this increases its use full service life many folds.

TEMPORARY OVER VOLTAGE CAPABILITY: Our MORESTERS are specially designed to operate for limited periods of time at voltages in excess of COV. The Arrester must meet or exceed the expected temporary over voltages considering the widely fluctuating operating voltages.

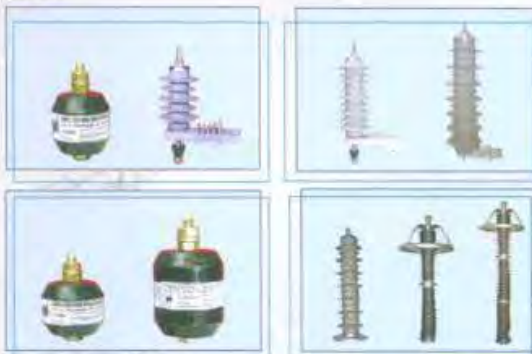
PRESSURE RELIEF: LAMCO MORESTER of station class type are fitted with pressure relief diaphragms and arc diverting ports to relieve the excessive internal pressure caused in the remote event of Arrester failure to prevent explosive shattering of porcelain housing causing damage to men and material at site. This arrangement of the pressure relief diaphragms and arc diverting (vent system) ports are shown in detail in the figure 2. Our MORESTERS are successfully Type Tested at CPRI, Bangalore for 40KV rms (short circuit current rating) conforming to IEC 60099-4 of 2001.

Figure 2



POLYMER LIGHTNING ARRESTERS

From 2003, LAMCO had yet another product to its list and it is the Polymeric clad Lightning Arresters and is branded as LASER.



The advantages of silicone Arrester arresters over their traditional porcelain counterparts are :

- 1) Light in weight almost 30% to 50% of that of Porcelain arresters.
- 2) No violent damage or explosion of housing and so pressure relief arrangement is not required.
- 3) Superior performance under pollution and wetting due to Hydrophobicity and increased capacitive coupling between pollution and ZnO blocks.
- 4) Better performance under impact loads such as short circuit and earthquake forces.
- 5) Minimal costs in erection, free from vandalism & breakages in transportation.

MIDEAST ENGINEERING (FZC)

POLYMERIC INSULATORS

PRODUCT	VOLTAGE	CURRENT	BURDEN	CORES
CURRENT TRANSFORMERS				
Primary	11KV - 245KV	2500 A	—	—
Secondary		0.577/1/5/A	Upto 60 VA	Multi Core
POTENTIAL TRANSFORMERS (SINGLE / THREE PHASE)				
Primary	11KV - 145KV	—	—	—
Secondary	63.5 / 110V	—	Upto 300 VA	Multi Core

Also, we design and supply CTs & PTs to suit any special applications

OUR QUALITY SYSTEM

- Products are designed and manufactured to stringent quality standards
- Well defined quality assurance plan in line with ISO 9001 specifications
- Compliance to customer specifications, applicable standards & ISO requirements during design, manufacture and testing.

POLYMER INSULATORS

LAMCO has added another major product to its Insulators line of products: Composite or Polymer Insulator upto 400KV. The usage of composite has grown swiftly in the recent past. The polymeric products are demonstrating their capabilities in diverse environments and are now routinely used to prevent line flash overs triggered by contamination. Polymeric insulation materials offer numerous advantages like, Light in Weight, Complex Geometry, Pollution Performance, Maintenance Free, Hazardous Free & Less Susceptible to Vandalism



GOVERNING STANDARDS: Our range of Insulators are successfully type tested as per their specific application categories such as:

1. IEC 601109
2. Railway Spec. No.TI/SPC/OHE/WR/0990

MATERIAL

FRP CORE ROD : High quality pultruded FRP Rod is used. Central core rod consists of fiber glass with reinforced plastic. This rod is made by dip coating of continuous stands of glass fibers in high quality fibers with Epoxy resin and pressed in die under set temperature & pulling speed. This rod is designed to withstand maximum tensile strength.

HOUSING : The housing is made up silicone rubber which has very good weathering properties like pollution, humidity, uv radiation, hydrophobicity and excellent anti contamination, anti-tracking and anti-erosion.

HV silicone rubber which is selected from the world's best manufacturer is specially designed for HV Insulators Application. The moulding is done on sophisticated state of the art Injection Mould machines.

END FITTING : High Grade quality cast Iron with state of art micro processor controlled crimping machine is employed for crimping the end fitting. This gives uniform crimping without stress concentration.



Water Solution & Treatment



CURRENT ACTIVITIES

- DESIGN , ENGINEERING , SUPPLY OF WATER / WASTEWATER TREATMENT SYSTEMS
- CONSULTANCY FOR WATER TREATMENT SYSTEMS / BOTTLED WATER PLANTS
- CONSUMABLES / COMPONENTS FOR WATER /WASTEWATER TREATMENT SYSTEMS

MARKET SEGMENT

- FOOD & BEVERAGE
- BOTTLED WATER PLANTS
- MUNICIPAL
- OIL & GAS
- CONSTRUCTION

PRODUCTS AND SERVICES

- CONVENTIONAL WATER TREATMENT
- FILTRATION SYSTEMS
- CLARIFIERS
- DEMINERALISATION SYSTEMS
- MEMBRANE BASED SYSTEMS
- REVERSE OSMOSIS SYSTEMS
- ULTRAFILTRATION SYSTEMS
- NANOFILTRATION SYSTEMS
- ELECTRODEIONISATION FOR HIGH PURITY WATER
- WATER TREATMENT PLANTS

CONVENTIONAL

WATER TREATMENT

CONVENTIONAL WATER TREATMENT

CLARIFIERS



DEMINERALISATION



SOFTENERS



FILTRATION



ELECTRODEIONISATION



MIXED BED UNITS



MEMBRANE BASED

SYSTEMS

MEMBRANE BASED SYSTEMS

BRACKISH WATER REVERSE OSMOSIS



SEAWATER REVERSE OSMOSIS

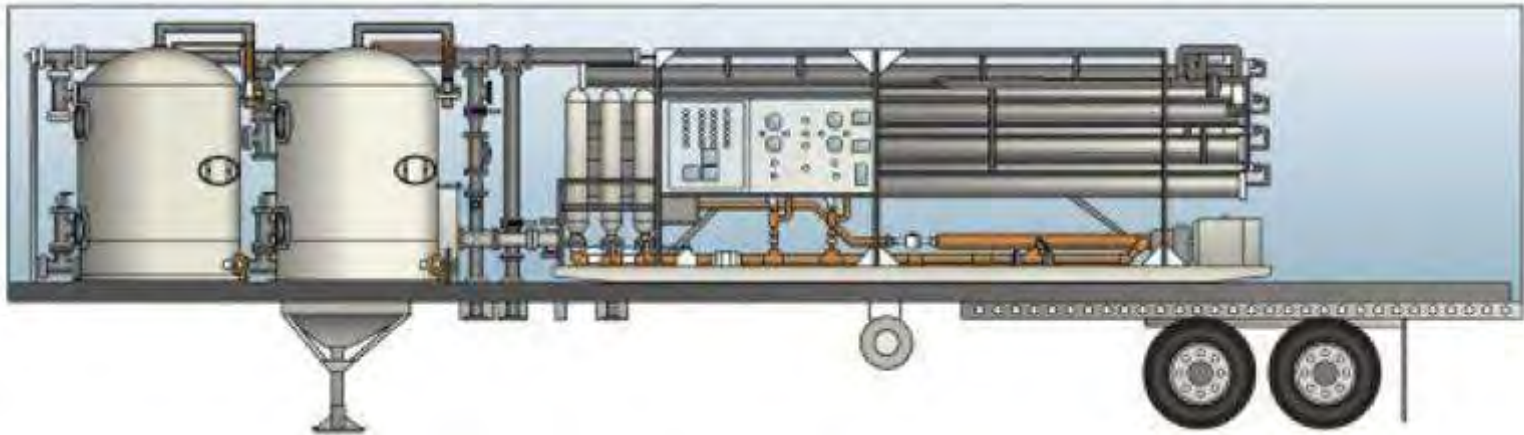


CONTAINERISED MEMBRANE SYSTEMS



ULTRAFILTRATION

CONTAINERISED REVERSE OSMOSIS SYSTEMS



- **CONTAINERISED BRACKISH / SEA WATER REVERSE OSMOSIS PLANTS FROM CAPACITIES OF 24 M3/DAY TILL 2400 M3/DAY IN STANDARD SHIPPING CONTAINERS**
- **NOTE : FILTERS WILL BE IN SAME OR SEPARATE CONTAINERS BASED ON THE CAPACITY OF THE SYSTEM.**

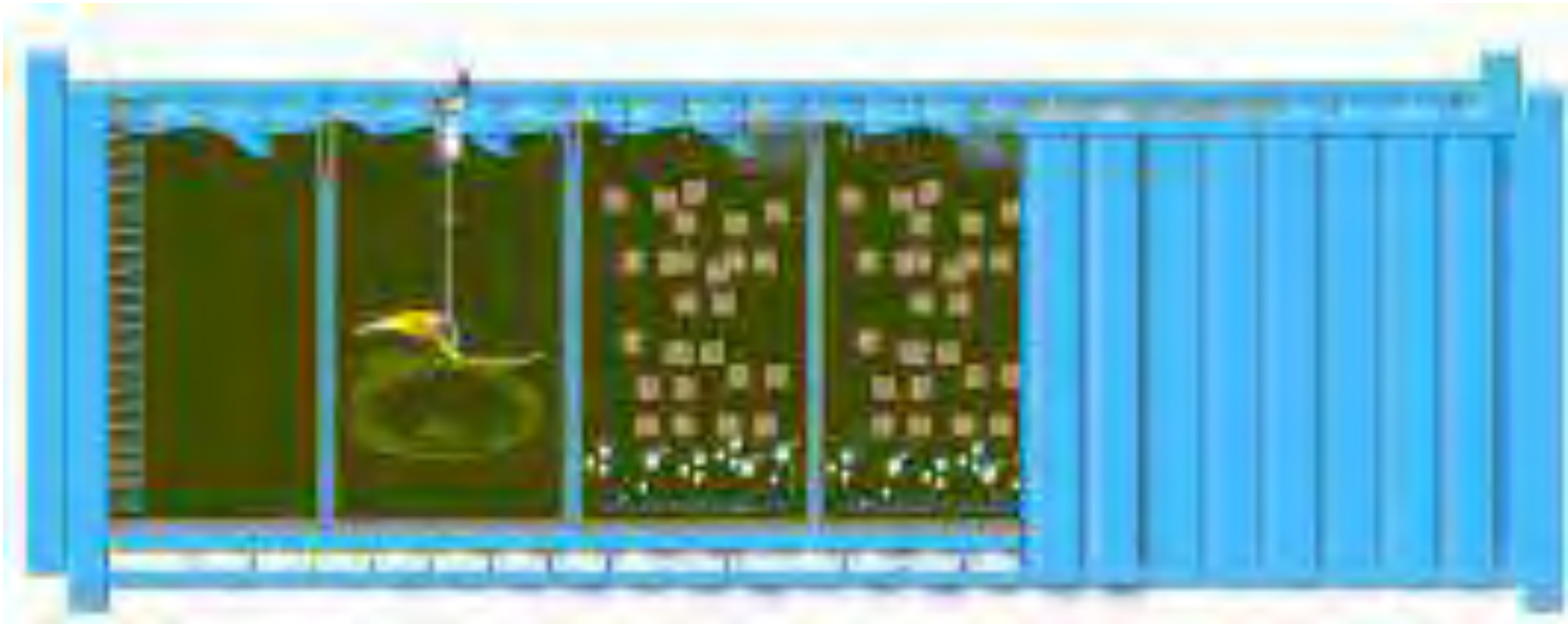
WASTEWATER

TREATMENT

PRODUCTS AND SERVICES

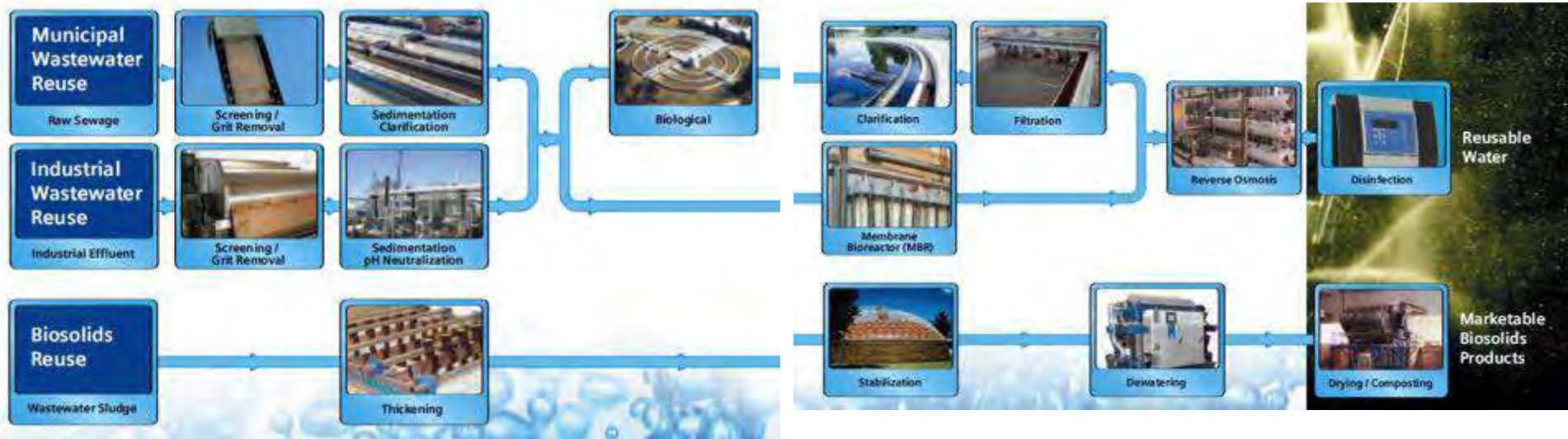
- WASTEWATER TREATMENT
- PACKAGE SEWAGE TREATMENT PLANTS
- GREYWATER TREATMENT SYSTEMS
- CUSTOM DESIGNED SYSTEMS
- INDUSTRIAL WASTEWATER TREATMENT
- MUNICIPAL WASTEWATER TREATMENT
- EQUIPMENT FOR WASTEWATER TREATMENT
- TERTIARY TREATMENT / REUSE OF TREATED WASTEWATER

PACKAGE SEWAGE TREATMENT PLANTS



CONTAINERISED PACKAGE PLANTS FROM CAPACITIES OF 400 M³/DAY

EQUIPMENT AND SYSTEMS



CUSTOM DESIGNED SYSTEM FOR INDUSTRIES



EQUIPMENT FOR PRIMARY / SECONDARY TREATMENT

HEADWORKS



ODOUR CONTROL



DIFFUSED AERATION



CLARIFIERS



EQUIPMENT FOR TERTIARY TREATMENT

UV DISINFECTION



DISC FILTER



MEMBRANE
SYSTEMS



SLUDGE HANDLING AND TREATMENT

CENTRIFUGE



FILTER PRESS



BELT PRESS



CHEMICALS FOR TREATMENT / DISINFECTION

- INORGANIC COAGULANTS SUCH AS ALUM, PAC ,
FERRIC CHLORIDE
- POLYMERS FOR WATER CLARIFICATION
- CALCIUM HYPOCHLORITE TABLETS FOR
DISINFECTION
- RO ANTISCALANTS / CLEANING CHEMICALS

PARTIAL LIST OF REFERENCES

REFERENCES (CURRENT PROJECTS)

INDUSTRY : OIL & GAS
LOCATION : IRAQ
PROCESS USED : MBR
FLOW : 220 M3/DAY
INLET BOD : 300 MG/LIT
TREATED WATER : <10 MG/LIT
YEAR OF OPERATION : -

REFERENCES (CURRENT PROJECTS)

INDUSTRY : OIL & GAS
LOCATION : IRAQ
PROCESS USED : CONTAINERISED WATER
TREATMENT PLANT
FLOW : 200 M3/ HR
INLET TSS : 1000-1500 MG/LIT
TREATED WATER : < 5 MG/LIT
YEAR OF OPERATION : -

REFERENCES

INDUSTRY : OIL & GAS
LOCATION : IRAQ
PROCESS USED : CONTAINERISED SEAWATER
REVERSE OSMOSIS
FLOW : 2 X 48 M3/DAY
INLET TDS : < 45,000 MG/LIT
TREATED WATER : < 500 PPM
YEAR OF OPERATION : 2008

REFERENCES

INDUSTRY : PETROCHEMICAL
LOCATION : RAK,UAE
PROCESS USED : BRACKISH WATER REVERSE
OSMOSIS + MB
FLOW : 360 M3/DAY
INLET TDS : < 500 MG/LIT
TREATED WATER : < 1 PPM
YEAR OF OPERATION : 2008

REFERENCES

INDUSTRY : FOOD & BEVERAGE
LOCATION : KENYA
PROCESS USED : BRACKISH WATER REVERSE
OSMOSIS
FLOW : 480 M3/DAY
YEAR OF OPERATION : 2009

REFERENCES

INDUSTRY : DISTILLERY
FLOW : 100 M3/DAY
PROCESS USED : DEMINERALISATION
INLET TDS : < 200 MG/LIT
TREATED WATER : < 1 PPM
YEAR OF OPERATION : 2009

REFERENCES

INDUSTRY : HOSPITALITY
LOCATION : TANZANIA
PROCESS USED : FILTRATION / SOFTENING
FLOW : 100 M3/DAY
YEAR OF OPERATION : 2009

REFERENCES

INDUSTRY : FOOD & BEVERAGE
LOCATION : TANZANIA
PROCESS USED : MICRON FILTRATION /
STERILISATION
FLOW : 2 X 480 M3/DAY
YEAR OF OPERATION : 2009

REFERENCES

INDUSTRY : FOOD & BEVERAGE
LOCATION : UGANDA
PROCESS USED : TURNKEY FILLING LINE
FLOW : 4000 BPH
YEAR OF OPERATION : 2010

REFERENCES

INDUSTRY : FOOD & BEVERAGE
LOCATION : KENYA
PROCESS USED : GAS CHLORINATION
FLOW : 2 X 10 KG/HR
YEAR OF OPERATION : 2010

REFERENCES

INDUSTRY : OIL & GAS
LOCATION : ABU DHABI, UAE
PROCESS USED : PACKAGE SEWAGE TREATMENT PLANT
FLOW : 20 M3/DAY / 50 M3/DAY
INLET BOD : 300 MG/LIT
TREATED WATER : < 10 PPM
YEAR OF OPERATION : 2011

REFERENCES

INDUSTRY : DEFENCE
LOCATION : ABU DHABI, UAE
PROCESS USED : PACKAGE SEWAGE TREATMENT PLANT
FLOW : 2 X 200 M3/DAY
INLET BOD : 300 MG/LIT
TREATED WATER : < 10 PPM
YEAR OF OPERATION : UNDER EXECUTION

THANK YOU

We offer **Green Energy** in the form of Solar Energy drawn from Sun for the benefit of future generation as it is the most sustainable renewable energy.

It is our ambitious plan to minimize the use of standard means of producing energy thus reducing carbon foot print and benefiting by reducing cost of utility.

Air Conditioners have become necessity and the use of standard power plant generated energy gives higher cost and adds to pollution to the atmosphere.

We offer Hybrid Solar Air Conditioners which saves upto 50% in energy bills.

Where there is no scope of provision of electricity we offer 100% Solar Air Conditioners run on DC power of Batteries charged by solar energy.





BALL LOCK CABLE TIES COATED



Technical information:

Material : A) 316 grade non-magnetic stainless steel

B) 304 grade non-magnetic stainless steel

Temperature Range : -60°C to +150°C

Surface Finish : Pure Polyester and Epoxy Coatings

Flamability Rating : UL94 fireproof, Halogen free and UV-resistant

Multicolour : Available

*Ball Lock Coated - 4.6mm width

Part No. for Stainless Steel Grade		Width		Length		Thickness		Max Diameter Single Loop		Minimum Loop Tensile Strength		Package Quantity
SS304	SS316	In	mm	In	mm	In	mm	In	mm	N	lbs	
BC44-100	BC46-100	0.18	4.6	4	100	0.01	0.25	0.7	18	445	100	100/bag
BC44-127 #	BC46-127	0.18	4.6	5.0	127	0.01	0.25	1.1	27	445	100	100/bag
BC44-150	BC46-150	0.18	4.6	6	150	0.01	0.25	1.3	34	445	100	100/bag
BC44-200	BC46-200	0.18	4.6	8	200	0.01	0.25	2.0	50	445	100	100/bag
BC44-250 #	BC46-250	0.18	4.6	9.8	250	0.01	0.25	2.6	66	445	100	100/bag
BC44-260	BC46-260	0.18	4.6	10	260	0.01	0.25	2.7	69	445	100	100/bag
BC44-300 #	BC46-300	0.18	4.6	11.8	300	0.01	0.25	3.2	82	445	100	100/bag
BC44-360	BC46-360	0.18	4.6	14	360	0.01	0.25	3.9	100	445	100	100/bag
BC44-400 #	BC46-400	0.18	4.6	15.7	400	0.01	0.25	4.5	114	445	100	100/bag
BC44-450 #	BC46-450	0.18	4.6	17.7	450	0.01	0.25	5.1	130	445	100	100/bag
BC44-520	BC46-520	0.18	4.6	20	520	0.01	0.25	5.9	151	445	100	100/bag
BC44-620	BC46-620	0.18	4.6	24	620	0.01	0.25	7.2	183	445	100	100/bag
BC44-680 #	BC46-680	0.18	4.6	26.8	680	0.01	0.25	8.0	203	445	100	100/bag
BC44-840	BC46-840	0.18	4.6	33	840	0.01	0.25	10.0	253	445	100	100/bag
BC44-1000	BC46-1000	0.18	4.6	39	1000	0.01	0.25	12.0	304	445	100	100/bag

*Ball Lock Coated - 7.9mm width

BC74-100	BC76-100	0.31	7.9	4	100	0.01	0.25	0.7	18	1112	250	100/bag
BC74-127 #	BC76-127	0.31	7.9	5.0	127	0.01	0.25	1.1	27	1112N	250	100/bag
BC74-150	BC76-150	0.31	7.9	6	150	0.01	0.25	1.3	34	1112	250	100/bag
BC74-200	BC76-200	0.31	7.9	8	200	0.01	0.25	2.0	50	1112	250	100/bag
BC74-250 #	BC76-250	0.31	7.9	9.8	250	0.01	0.25	2.6	66	1112N	250	100/bag
BC74-260	BC76-260	0.31	7.9	10	260	0.01	0.25	2.7	69	1112	250	100/bag
BC74-300 #	BC76-300	0.31	7.9	11.8	300	0.01	0.25	3.2	82	1112N	250	100/bag
BC74-360	BC76-360	0.31	7.9	14	360	0.01	0.25	3.9	100	1112	250	100/bag
BC74-400 #	BC76-400	0.31	7.9	15.7	400	0.01	0.25	4.5	114	1112N	250	100/bag
BC74-450 #	BC76-450	0.31	7.9	17.7	450	0.01	0.25	5.1	130	1112N	250	100/bag
BC74-520	BC76-520	0.31	7.9	20	520	0.01	0.25	5.9	151	1112	250	100/bag
BC74-620	BC76-620	0.31	7.9	24	620	0.01	0.25	7.2	183	1112	250	100/bag
BC74-680 #	BC76-680	0.31	7.9	26.8	680	0.01	0.25	8.0	203	1112N	250	100/bag
BC74-840	BC76-840	0.31	7.9	33	840	0.01	0.25	10.0	253	1112	250	100/bag
BCU74-1000	BC76-1000	0.31	7.9	39	1000	0.01	0.25	12.0	304	1112	250	100/bag

Ball Lock Coated - Heavy Duty - 12.7mm width

BC124-100	BC126-100	0.50	12.7	4	100	0.02	0.4	0.7	18	3115	700	100/bag
BC124-150	BC126-150	0.50	12.7	6	150	0.02	0.4	1.3	34	3115	700	100/bag
BC124-200	BC126-200	0.50	12.7	8	200	0.02	0.4	2.0	50	3115	700	100/bag
BC124-260	BC126-260	0.50	12.7	10	260	0.02	0.4	2.7	69	3115	700	100/bag
BC124-360	BC126-360	0.50	12.7	14	360	0.02	0.4	3.9	100	3115	700	100/bag
BC124-520	BC126-520	0.50	12.7	20	520	0.02	0.4	5.9	151	3115	700	100/bag
BC124-620	BC126-620	0.50	12.7	24	620	0.02	0.4	7.2	183	3115	700	100/bag
BC124-840	BC126-840	0.50	12.7	33	840	0.02	0.4	10.0	253	3115	700	100/bag
BC124-1000	BC126-1000	0.50	12.7	39	1000	0.02	0.4	12.0	304	3115	700	100/bag

Ball Lock Coated - Heavy Duty - 16.0mm width

BC164-150	BC166-150	0.63	16.0	6	150	0.02	0.40	1.3	34	3560	800	100/bag
BC164-200	BC166-200	0.63	16.0	8	200	0.02	0.40	2.0	50	3560	800	100/bag
BC164-260	BC166-260	0.63	16.0	10	260	0.02	0.40	2.7	69	3560	800	100/bag
BC164-360	BC166-360	0.63	16.0	14	360	0.02	0.40	3.9	100	3560	800	100/bag
BC164-520	BC166-520	0.63	16.0	20	520	0.02	0.40	5.9	151	3560	800	100/bag
BC164-620	BC166-620	0.63	16.0	24	620	0.02	0.40	7.2	183	3560	800	100/bag
BC164-840	BC166-840	0.63	16.0	33	840	0.02	0.40	10.0	253	3560	800	100/bag
BC164-1000	BC166-1000	0.63	16.0	39	1000	0.02	0.40	12.0	304	3560	800	100/bag



Alka International (UK) Ltd

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About Alka International (UK) Ltd

Alka International (UK) Ltd. is one of United Kingdom's leading providers of electrical fittings and construction hardware with over 30 years experience. Specialising in Cable Management, Conduits and accessories, Earthing Material, Junction Boxes, Low Voltage Distribution and Wiring Accessories.

Alka International (UK) Ltd is an ISO 9001 Certified.

For over 25 years Alka International has been a leading supplier of electrical fittings and hardware through out the UK. Product range includes:

- Cable Management

- Conduits and accessories
- Earthing Material
- Junction Boxes
- Low Voltage Distribution
- Wiring Accessories

Alka International carries a wide and extensive range of stock in its distribution centre in Bedfordshire. Delivery is available through out the UK, Republic of Ireland and world wide. Next day delivery is available for UK orders.

Alka International also has the ability and knowledge to manufacture specialised products specific to customer needs.

Where applicable, products in the Alka range are manufactured to the highest standard with quality assurance standards that are recognised industry wide.

Service

Our large premises and efficient staff enable us to process orders accurately and efficiently. We have an impressive same day dispatch cut off point of 2pm for large orders (1/4 pallet and above) and 4pm for smaller orders. We have the means to deliver as per your requirements be it morning, Saturday and/or timed.

Product

Alka International has a vast range of products. Below are our main lines.

- **Earthing & Earthing Materials** - 3/8 & 5/8 Earth Rods, Earth Clamps (EC14, EC15, EC16) Machine Clamps. Cast Clamps, Earth Blocks and more.
- **Wiring Accessories** - Copper Crimping Lugs, Butt Splices, Porcelain Connectors, Lock Nuts (Brass, Stainless Steel & Galvanised) Lock Rings, and more.
- **Cable Glands** - Brass SWA Cable Glands (BW, CW, A1A2, CXT,E1W), Aluminium Cable Glands, Nylon Glands (Red, Blue, Black & Grey).
- **Conduit Accessories** - Conduit Junctions Boxes (Malleable, Stainless Steel & Rigid Plastic), Looping Boxes, Flexible Conduit, Couplers, Galvanised Bands (Red, White, Black), Stainless Steel Cable Ties, Saddles (Plain, Bar & Distance), Extension Rings, Elbows, Bends and more.
- **Low Voltage Distribution** - Amendment 3 Consumer Units, MCBs, RCBs, RCBOs, Single Pole Connector Block, Double Pole Connector Pole, House Service Cut Outs.

Trade/Distribution

Alka International has been supplying leading electrical distributors for many years. If you are in the electrical industry chances are that you would have come across a product manufactured by Alka, whether you knew it or not.

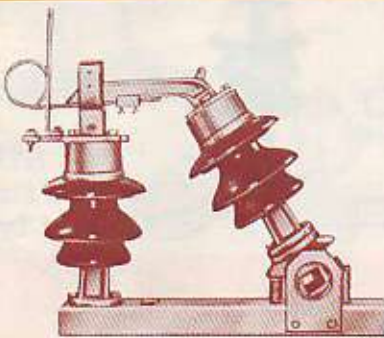
Why import yourself when Alka can do it for?

- **Save time** – Dealing with us means you don't have to source different factories. Let Alka find the best one for you. We only use factories that adhere to our strict quality control methods to ensure that quality is maintained throughout production.
- **Save Money** – With our direct ties to the factories we can ensure you the best prices.
- **Deal with a UK company** – Have the security and peace of mind that you will be dealing with a company from the UK, which therefore adheres to UK trading laws. Speak to British operators.

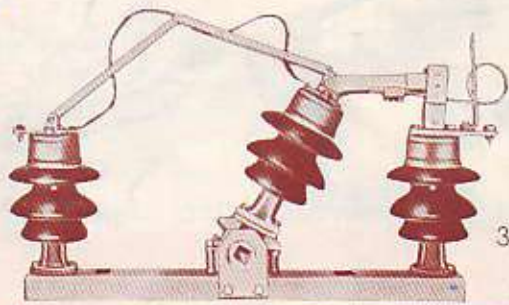


National Traders

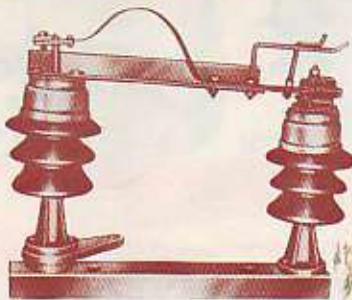
ISOLATORS FOR 11/22/33 K.V.



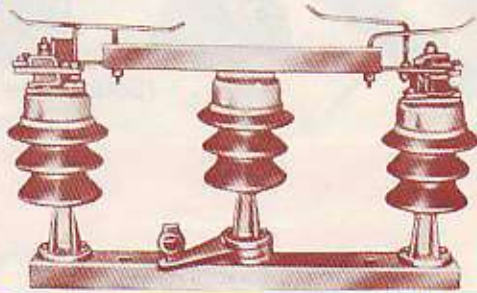
NTS-1
Tilting Type
2 Insulators
per phase



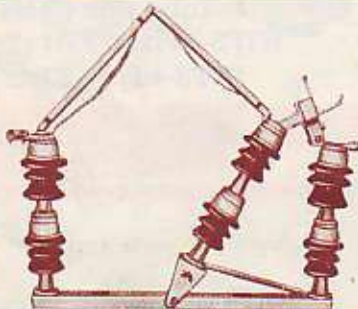
NTS-2
Tilting
Type
3 Insulators
per phase



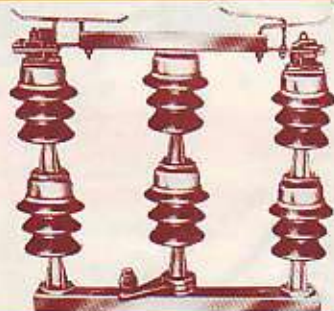
NTS-3
Rotating Type
2 Insulators
per phase



NTS-4
Centre Post
Rotating
3 Insulators
per phase



NTS-5
Double Stack
Tilting Type
6 Insulators
per phase



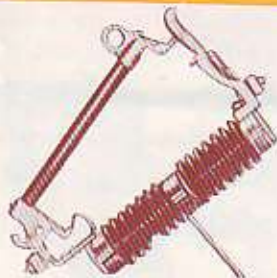
NTS-6
Double Stack
Rotating Type
6 Insulators
per phase



NTF-1
Bracket
Type



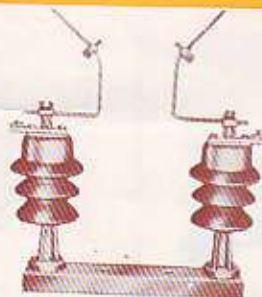
NTF-2
Channel
Type



NTF-3
Single
Insulator
(Solid Core)
Type



NTF-4
Double Stack
Channel Type



NTF-5
Horn Gap
Fuses



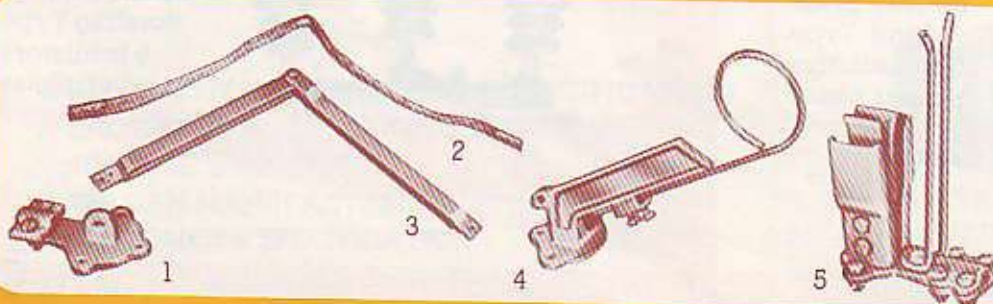
SPARES FOR D.O. FUSE

NTFS-1 Fixed Part
(Bottom)

NTFS-2 S.R.B.P.
Tube with Contacts

NTFS-3 Fixed Part (Top)

NTFS-4 Fuse Element



SPARES FOR G.O.D.

NTSS-1 Back Plate

NTSS-2 Copper Braded Tape

NTSS-3 M.S. Supporter

NTSS-4 Blade (Moving Contact)

NTSS-5 Jaw (Fixed Contact)



Pin Insulator



G.I. Pin



Lightning Arrestors
IGE make
9 K.V.
18 K.V.

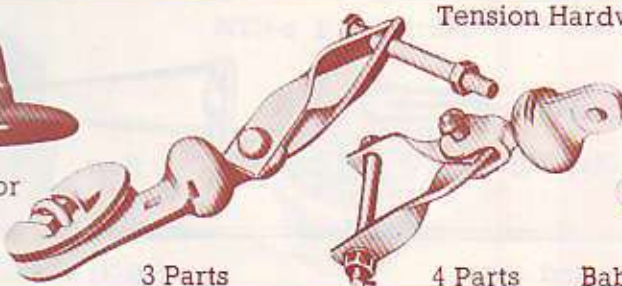


Post Insulator



Disc Insulator

Tension Hardware



3 Parts

4 Parts

Babby Clamp

3 'U' Bolt Type

2 'U' Bolt Type



NTP-1



2



3



4



5



L.T. G.P. Pin

L.T. Shackle Insulators



NTSH-1



2



3

Spool Insulators



NTSP-1



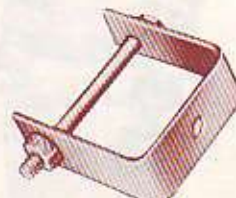
2



3



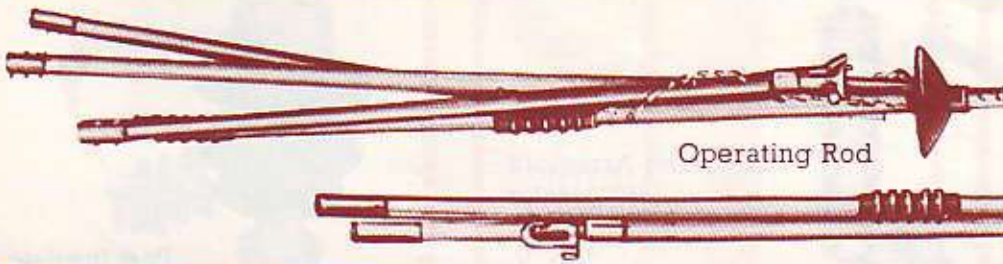
Shackle Hardware



'D' Iron Clamp



National
Traders



Operating Rod

Discharge Rod

Stay Set Assembly



Plate



Thimble



Stay Tightener



Bow



Rod

Suspension Hardware



Clamp



Socket Eye



Ball Hook

Stay Insulators



Loop Type



'H' Type

Bushing Studs as per I.S. 3347



Transformer Bushing



H.T.

L.T.

Enamelled Danger Board



Rubber Hand Gloves



NTH-1 B.C. 2 Slot



NTH-2 B.C. 3 Slot



NTH-3 Batten Type



NTH-4 B.C. Type



NTH-5 E.S. Batten (E-20)

NTH-6 E.S. Skirted



NTH-7 E.S. 5/8'' (E-20)

NTH-8 ES 5/8'' New Type



NTH-9 G.E.S. 5/8'' (E-40)



NTH-10 G.E.S. Batten (E-40)



NTH-11 G.E.S. Skirted



NTH-12 Skirted G.E.S.

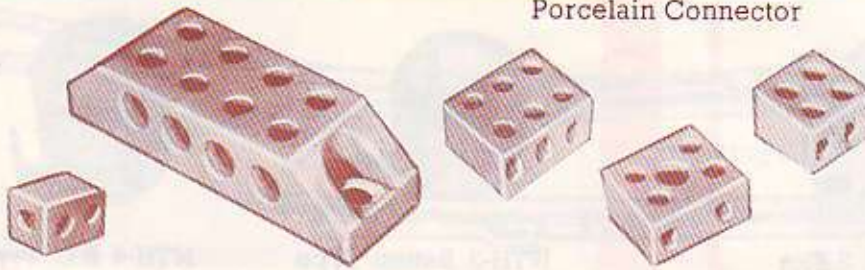


NTH-13 Batten G.E.S.



NTH-14 Cap Type

Porcelain Connector



- NTC-1 5 Amps 1 Way
- NTC-2 5 Amps 2 Way
- NTC-3 5 Amps 3 Way
- NTC-4 5 Amps 2 Way Centre Hole
- NTC-5 15 Amps 1 Way
- NTC-6 15 Amps 2 Way
- NTC-7 15 Amps 2 Way Centre Hole
- NTC-8 15 Amps 4 Way



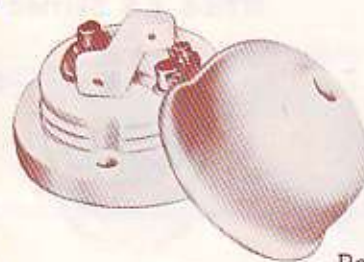
Coach Screw



Porcelain Socket



NTR-1
Porcelain Ceiling Rose



Bus Bar Supporters



NTB 1 10 B.M.



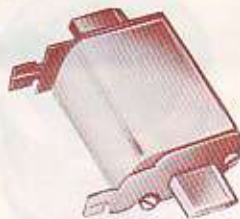
NTB-2 10 B.M D



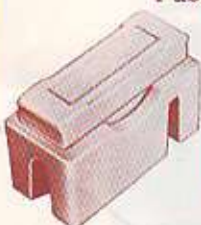
Bottle Type Fuse Holder



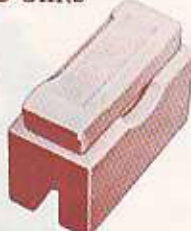
H.R.C. Fuse



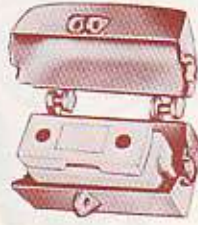
Fuse Units



NTU-1



NTU-2



I.C. Cutout

Neutral Link



NTN 1 15 Amps
NTN-2 30 Amps



NTN-3
60 Amps



NTN-4 100 Amps

Light Fittings



Flood-Light

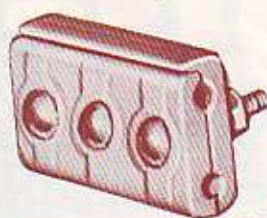
- NTL-1 9" dia
- NTL-2 12" dia
- NTL-3 14" dia
- NTL-4 16" dia
- NTL-5 18" dia



Ntl-6 Bulk Head



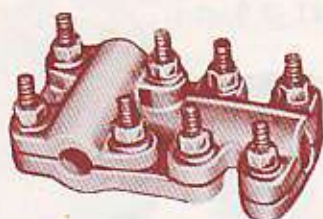
NTM-1
P.G. Clamp
2 Bolted Type



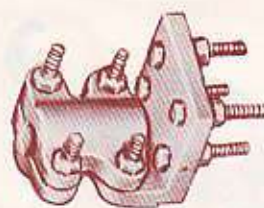
NTM-2
P.G. Clamp
3 Bolted Type



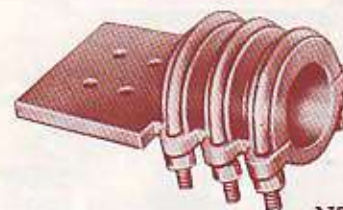
NTM-3 U.P.G. Clamp



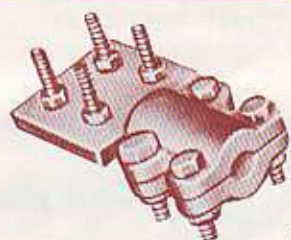
NTM-4 Tee Clamp



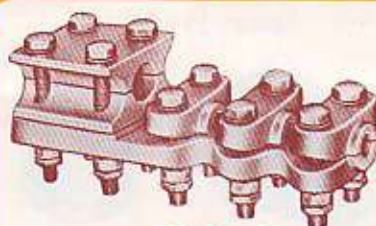
NTM-5
Bi-metallic
connector L Type



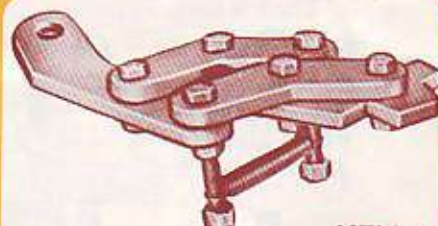
NTM-6
Palm Type connector



NTM-7
Pad Type connector



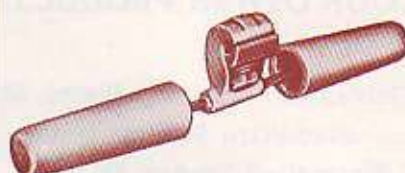
NTM-8 Bi-metallic
Terminal connector



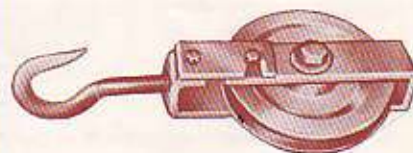
NTM-9
Come-along Clamp Automatic



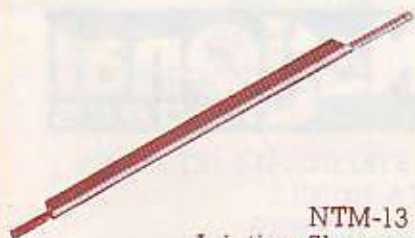
NTM-10
Come-along Clamp
Bolted Type



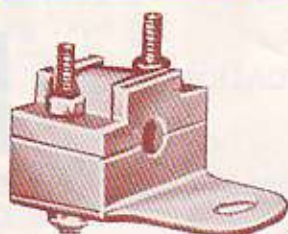
NTM-11
Vibration Damper



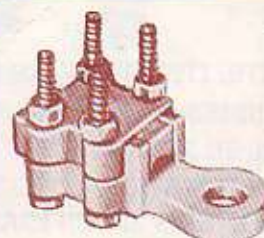
NTM-12
Aluminium Roller (Pulley)



NTM-13
Jointing Sleeves



NTM-14
Bi-metallic Connector



NTM-15
Aluminium Connector



NT-1 Supporter



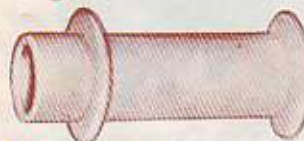
NT-2 Insulator with Studs



NT-3 Current Collector


 NT-4
3 Groove Busbar

NT-5 Reel Insulator


 NT-6
Collar
Reel


NT-7 Hook Type Supporter

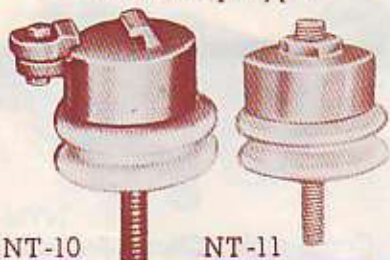
NT-9 Busbar



NT-8 Supporter



Stud & Cap Type



NT-10

NT-11

Epoxy Insulators

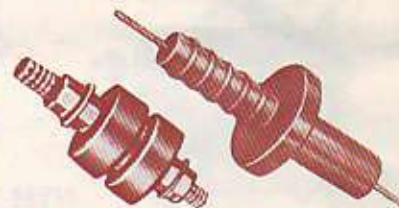


NTE-1



NTE-2

Epoxy Insulators



NTE-3

NTE-4

OUR OTHER PRODUCTS

Copper / Galvanised Earthing Plates, Strips Wires
 Stay Wire Rubber Mats
 Enamelled Shades DCR Etc.

1. ALL THE ITEMS ARE AS PER I.S. SPECIFICATION
2. ENQUIRIES AS PER B.S. SPECIFICATION SHALL BE SOLICITED
3. WE CAN MANUFACTURE ANY ITEM AS PER CUSTOMER'S SPECIFICATION