

DISASTER MANAGEMENT



*Natural Disasters cannot be avoided,
We can only be prepared to minimize loss of Lives & Property*

Our contribution to Rescue & Relief Work



Floton

High performance floating pumps

Floton pumps are mainly designed for dewatering applications during flood situations and removing water from basements and low lying areas. It is also useful for irrigation and to draw water from well lakes, ponds, well, river, etc for filling tankers and fire tenders. Owing to its high volume capacity it can also be used for emergency fire fighting applications. Since these pumps float on the water surface, common problems of suction with other pumps do not exist.

The pump has the capability of dry run, so it can be started and then lowered in to a well without possibility of pump being seized.

Capacity available upto 1500 lpm.

Lifting height upto 45 mtrs.

No damage even if pump runs dry.

Can run even if water level is 20 mm.

Will not sink even if float is damaged.



Floton - 900

Engine

Model	: B&S 4-stroke air cooled, petrol OHV
Displacement	: 190 cm ³
Bore x Stroke	: 68 x 51 mm
Power Output	: 6.5HP @ 3200 rpm
Ignition System	: Transistorized Magneto
Fuel Tank Capacity	: 0.93 Ltr.
Starting System	: Recoil

Pump

Type	: Single Suction, Centrifugal
Outlet	: 63 mm instantaneous
Performance	: 0-900 l/min
Delivery Height	: 17 m
Solids	: Ø15 mm
Min Water Depth	: 20 mm of water

Dimensions and weight

Dimensions (L x W x H)	: 690 x 550 x 400 mm
Weight	: 26.5

Floton - 1500

Engine

Model	: Honda-GXV 390 4-stroke air cooled, petrol OHV
Displacement	: 389 cm ³
Bore x Stroke	: 88 x 64 mm
Power Output	: 10.2 HP(7.6 kW) @ 3600 rpm
Ignition System	: Transistorized Magneto
Fuel Tank Capacity	: 2.1 Ltr.
Starting System	: Recoil

Pump

Type	: Single Suction, Centrifugal
Outlet	: 63 mm instantaneous
Performance	: 1500 l/min
Delivery Height	: 45 m
Solids	: Ø15 mm
Min Water Depth	: 20 mm of water

Dimensions and weight

Dimensions (L x W x H)	: 850 x 750 x 490 mm
Weight	: 50.9 kg

Pneumatic Lifting Bags

These lifting bags manufactured by M/s Lysekilen A.S, Sweden are very unique because of the following features

- It requires only 1 bar pressure
- A single bag can lift an object up to a height of 1 mtrs
- Due to its wedge shape size the weight of the load is distributed evenly on the surface of bag
- Hence a single lifting bag can lift an entire train bogie side ways weighing around 50 tons
- Due to low working pressure these bags can be used even in soft soil



Can also be attached to
Vehicle Exhaust



Mini Hydraulic Rescue Kit

HYDROTEC

The Hydrotec Mini Hydraulic Rescue Kit is a miniature version of the commonly available Hydraulic tools which are heavy and cannot be used for extended period of time. Consisting of Cutter, Spreader and Bar Buster this kit can easily carry out most of the tasks without the need for the bigger tools. With the individual tools weighing around 4 kg each and total kit weighing 16 kg, it can easily be carried inside any premises and also on ladders.

The pump being so small can be comfortably attached to the waist and operated with one hand. All the tools supplied are supplied in a backpack for easy transportation and fast rescue operations.



Technical Data:

1. Pump :

Weight	: 5.7 kg.
Dimensions (LxWxH)	: 150x150x350 mm.
W. Pressure	: 700 bar.

2. Door Breaker :

Weight	: 6.5 kg.
Length Closed	: 390 mm.
Stroke	: 250 mm.
Force	: 6 tons.
Width	: 125 mm.

3. Spreader :

Weight	: 4 kg.
Dimensions: (LxWxH)	: 280x110x77 mm.
Width (closed)	: 2.5 mm.
Max. Width Open	: 80 mm.
Spreading Power (LxWxH)	: 2,500 kg.

4. Cutter :

Weight	: 4 kg.
Dimensions	: 190x50x240 mm.
Cutting Capacity	: 18 mm.
Cutting Power	: 17,500 kg.



UNDER WATER SEARCH CAMERA

FEATURES & SPECIFICATION:

- 7 inch colour monitor with sun shade
- 50 m cable
- 360 deg rotation camera
- White LED for illumination
- Infrared LED for Night Vision
- Rechargeable 12 Volt 7 Ah battery
- Camera IP 68 water proof
- Complete system supplied in ABS hard Case
- Camera Size: 200mm x 90 mm
- Camera case material: strong plastic
- Camera glass material: Sapphire glass



STABILIFT

StabiLift Automatic has been developed in association with The Swedish Rescue Academy and other professional rescue teams. The product has been specifically designed for:

1. Be simple to set up and easy to use
2. Handle all stabilizing and emergency lifting requirements at road traffic collisions.

The tool is capable of lifting any height between 10 and 211 cm.

Weighing only 10 kg and with a safety factor of 2:1, StabiLift can manage loads up to 2000 kg at full stroke. (Tested at 4000 kg at full stroke (211 cm))

StabiLift extends automatically using a gas spring. Lifting range 500 mm automatic or with a help of a lever. Preadjusting 600 mm.

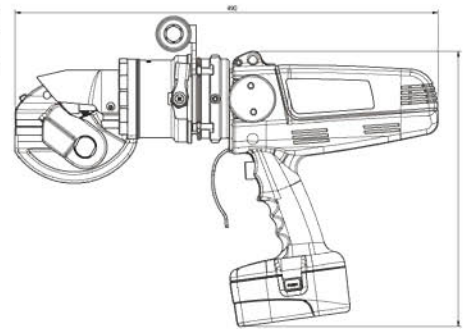
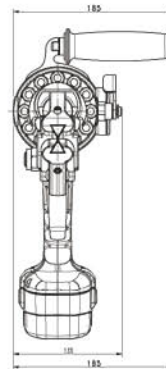
StabiLift is possibly the simplest to use and most rapidly deployed rescue strut on the market.

- Applications:
- Vehicle in ditch
- Vehicle on its side
- Vehicle on its roof
- Lifting vehicle
- Lifting roof from vehicle



BATTERY OPERATED BOLT CUTTER

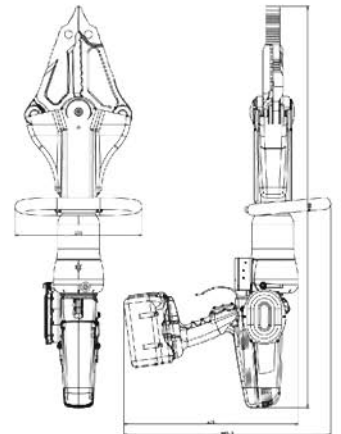
360° rotating head



Cut Ø	16mm-R=70 Kg/mm ²
Voltage	18V- 4Ah
Hydraulic force	14 ton/560 bar
Weight including Lithium battery	8,6 kg
Dimensions mm	490x395x135

BATTERY OPERATED COMBI TOOL

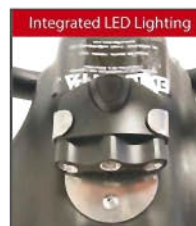
180° Rotating head



Blade opening	360 mm
Pressure	700 bar
Max cutting force	40,2 t (394 kN)
Pulling force	8,8 t (86,3 kN)
Squeezing force	7,3 t (71,6 kN)
Spreading force	A: 5,8 t
	B: 8,0 t
	C: 32,0 t
Weight (without battery)	18,0 kg
Dimensions (without battery)	850x270x400 mm

CUTTING CAPACITY ACCORDING TO:
UNI EN 13204:2004 CLASS H

MATERIAL	PROFILE	52/9 mm
S235JR	●	Ø 30
S235JR	■	110x0
S235JR	□	60x50x4
S235JR	□	80x40x4
S235RL	○	Ø 75,3x4





Evacuaid Emergency Bracelet

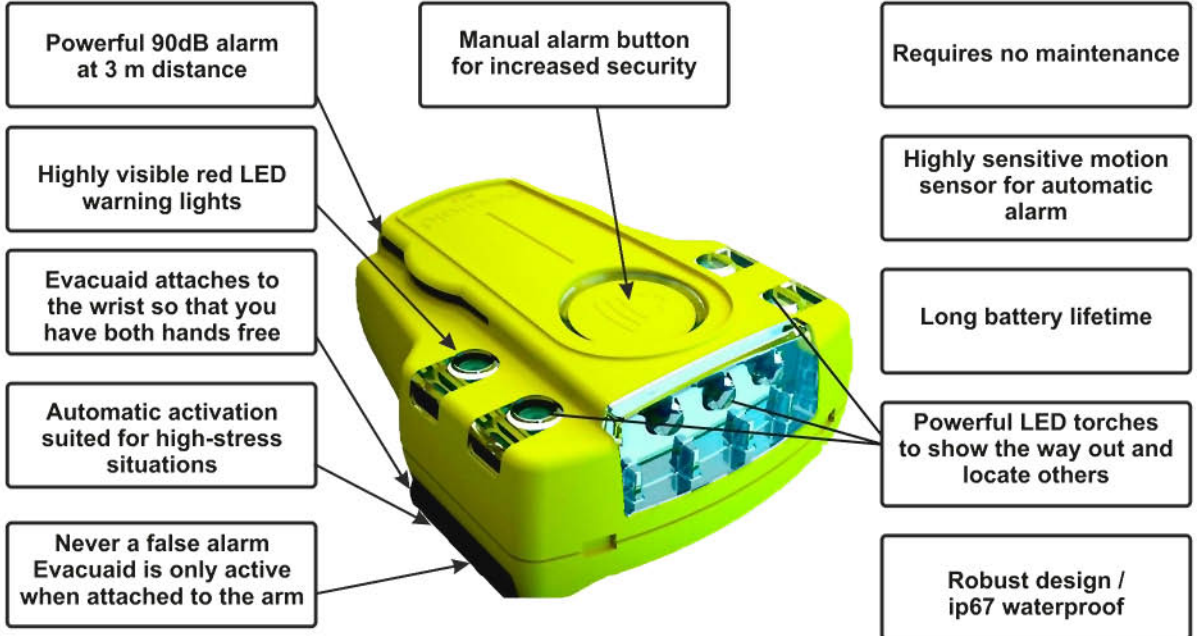
.....A lifesaving equipment



STAND BY MODE



ACTIVE MODE



User friendliness and security in every detail

COOLING JACKET

Drop your Temperature

This cooling vest works on cooling evaporation technology. The vest is filled with normal water and is made of phase change specialized materials.

The vest when in contact with the body, absorbs the body heat and transfers to the phase change material, which in contact with water, converts the body heat to the cooling effects of the body.

Fabric: The fabric is Bio compatible (no skin irritation), nontoxic, strong, durable, extremely weather proof, good stretch properties.

Multi Function: The vest has excellent insulation capabilities when not filled with water.

Weight: 400gms

Sizes: XS, S, M, L, XL, XXL



PORTABLE FOAM GENERATOR

Everything you need is contained in one package that attaches to the end of your 1" or 1.5" fire hose. The PRO/pak has a high impact 2.5 gallon foam reservoir with a built-in eductor that can be set to the ratio of foam or wetting agents being used. A large, easy-open fill port has an indicator to show the type of liquid in the tank. The flow is controlled by a twist grip valve/carrying handle. Select the discharge velocity that meets your needs for inlet pressures between 40 and 500 PSI. The nominal flow is 12 GPM at 100 PSI. A shoulder strap is included for extended operations. The PRO/pak Portable Foam System is supplied with three different quick connect nozzles, a discharge hose and a cap. The straight-stream nozzle gives maximum reach and penetration. The low-expansion nozzle works well with Class A and B foam solutions where reach is more important than expansion ratio. The medium-expansion nozzle produces dense foam that is best for vapor suppression and longevity. Use the PRO/pak when time is critical and you need a small blanket of foam. For example: With one tank of 1% concentrate the PRO/pak can make 15,000 gallons of finished foam using 250 gallons of water in 21 minutes, based on 60:1 expansion from the medium-expansion nozzle. High-impact engineering plastic with metallic components of hard-coat anodized aluminum and stainless steel.



***A protective Foam Blanket in
Less than 60 seconds!!!!***

G460 Multi-gas Detector Exceptional Multi-gas Performance

Preliminary



- Compact and robust 1-to-6 gas design
- Full 3-year warranty on O₂, LEL, H₂S, CO and COSH sensors
- Direct reading sensors for CO₂, NH₃, SO₂, Cl₂, ClO₂, NO₂, NO, PH₃, HF, O₃ and PID for VOC measurement
- Optional motorized pump operates in diffusion or sample-draw mode
- Highly water resistant (IP 67)
- Top-mounted, back-lit, three color graphic display
- Bright, flashing 360° LED alarms and loud 103dB buzzer
- Optional built-in "flash light" LED's
- Event and datalogging standard

Worldwide manufacturer of gas detection solutions

integral
Safety Engineers

VEHICLE MOUNTED SEARCH LIGHT

(REMOTE CONTROLLED)

APPLICATION: Highway Patrolling, Jungle Safari, Mining Vehicles, Dumping Vehicles, Defense Vehicles, Fire Fighting Vehicles, Disaster Management Vehicles, Patrolling Boats, Security Watch Towers,



FEATURES -

- DEEP PARABOLIC SUPER POLISHED REFLECTOR.
- TOUGHENED FRONT GLASS.
- 1000 METERS OPERATING RANGE.
- WEATHER & DUST PROTECTION.
- MICRO-CONTROLLER BASED INTELLIGENT CONTROL FOR PRECISE AND CONVENIENT CONTROL.
- WATER, SHOCK & CRACK RESISTANT BODY.
- NYLON GLASS FILLED HEAVY DUTY BODY WITH 3MM WALL THICKNESS.
- 3 TIMES BRIGHTER THAN 55W HALOGEN LAMP.
- REMOTE CONTROLLED OPERATION : ON / OFF, LEFT / RIGHT, UP / DOWN (VARIABLE SPEED)
- CE CERTIFIED

SPECIFICATION -

- WORKING VOLTAGE : 12V
- CONNECTOR : CIGARETTE LIGHTER
- LIGHT INTENSITY : 3200 LUMENS
- LAMP : 55W HID XENON
- WEIGHT : 3.8 KG.
- HEIGHT : 230 MM
- WIDTH : 185 MM
- REFLECTOR SIZE : 7"
- REFLECTOR SIZE : 7"
- MOVEMENT : 360° HORIZONTAL
120° VERTICAL
- MOUNTING OPTIONS :
1. FIXED MOUNTING SHOE
2. MAGNETIC MOUNTING - 200 POUNDS

Note : The above technical specification & features are subject to change due continuous technical upgradation.

LED RECHARGEABLE ZOOM HEAD LAMP



FEATURES & SPECIFICATION:

- LED: CREE XM-L T6 life upto 1,00,000 hrs
- Heavy Strength Air Craft Aluminum Alloy Case
- Unbreakable Polycarbonate Lens
- Corrosion resistance anodised finished
- Water & impact resistance (not for diving)
- Mains Charging External Charger with Charging Status indicator
- Protection : Over Charge, Over Discharge, Short Circuit
- 3 switch Mode: Full Brightness / Normal Brightness / Flashing
- RED LED Indicator at the back of head
- Brightness : Max 1200 Lumens
- Adjustable focus range for different usage
- Zoomable function: Zoom In & Zoom out
- Rechargeable Battery : 2 x 18650 Li-Ion Battery (3.7V, 3600mA)
- Working Time : 3Hrs (full brightness) / 15Hrs (normal brightness)
- Coverage : Narrow beam - 400m Long, 1/2m Dia from 2m distance
Wide beam - 100m Long, 3m Dia from 2m distance
- Weight : 180gm, Front Dia : 43mm

1000
Charge-Discharge
Cycle

RECHARGEABLE WATERPROOF LED HEAD LAMP



Heavy Duty
ABS & Aluminum
Casing



FEATURES & SPECIFICATION:

- LED: CREE XPE life upto 1,00,000 hrs
- Heavy Strength ABS & Air Craft Aluminum Alloy Case
- Unbreakable Polycarbonate Lens
- Corrosion resistance anodised finished
- Water & impact resistance (not for diving)
- Mains Charging External Charger with Charging Status indicator
- Protection : Over Charge, Over Discharge, Short Circuit
- 3 Switch Mode: Full Brightness / Normal Brightness / Flashing
- Brightness : Max 250 Lumens
- Rechargeable Battery : ICR 103450 Li-Ion Battery (3.7V, 1900mA)
- Working Time : 08Hrs (full brightness) / 18Hrs (normal brightness)
- Weight : 134gm

1000
Charge-Discharge
Cycle

INFLATABLE BOAT



TECHNICAL SPECIFICATIONS:

- Inflatable Boat 10 Men Capacity made out of heavy duty polyster fabric with PVC Coating
- Length - 4700 mm Width - 1980 mm
- Inside Width - 980 mm Dia of tube body - 500 mm
- Stability - Width to Length Ratio 1:2 to 3 for later buoyancy
- Load Capacity - 1150 Kg
- No. of compartments (min.) - 05 Nos.
- Relief Valve (min.) - 05 Nos.
- Keelson - Inflatable
- Flooring Rigid Floor Board of 12 mm thick Marine Plywood with Plastic Coating
- Or Aluminium Floor Board with interlocking system
- Transom - Plastic coated Capable to take load of 40 HP OBM Minimum height of transom 430 mm
- Overall Weight with accessories - 135 Kgs. Max.
- Carrying Capacity - Light weight so that 4-5 person can carry
- Seating Space - 10 men with safety equipment

PORTABLE STORAGE TANK

The portable storage tanks are self supporting, flexible and collapsible tank for storage of liquids. Light in weight, it is easy to transport and can be put to instant use. It is ideal for storage of water in disaster affected areas.

Available in capacities from 500 to 100000 ltrs.

- Portable Transferable
- Easy to clean
- Light weight
- Durable
- Collapsible
- Flexible
- Economical
- Instant Installation



Disaster Management Equipments



Life Jacket



Life Buoy



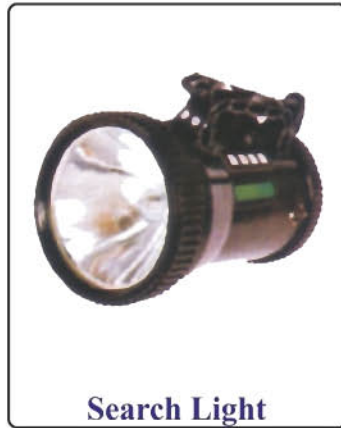
Inflatable Jackets



Jumping Cushion



Long Range Torch



Search Light



Victim Location Camera



Fire Suit



Smoke Exhaustor



Pulling & Lifting Machine



Aluminium Ladders



Fire Escape Mask



Inflatable Tent



Megaphone



Folding Shovel



Jumping Sheet

Integral Safety Engineers is a subsidiary of Shree Ganesh Fire Equipments which has been in to the line of fire fighting business for over three decades now.

However with the rise in number of natural disasters and in the absence of specialized equipments, Integral Safety Engineers has proved to be a one stop solution for providing the Fire fighting and Rescue teams with state of the art equipments, helping them to deal with emergencies more effectively and efficiently.

'Integral' as the name suggests has always played an important role in mitigating the impact of these disasters for their clients with the right planning, preparation and real time testing of various disaster management solutions.

Having tied up with various companies all over the world in order to bring the top of the line safety products to your door step, We have had a annual growth of over 300% over the past few years with a continually growing list of esteemed clients like Fire brigade, Civil Defence, Disaster Management Organisations, Home guards, Police etc.

We at Integral, are a team of technically qualified safety experts who specialize in providing not only solutions which cater to disaster management, but also providing our customers with training programs that are tailored & customized to specifically meet the needs of individual customer.



integral
Safety Engineers

P-53, Nr. Usma Petrol Pump, MIDC,
Phase-I, Dombivli (E) 421203, Mumbai, INDIA
Tel.: 91-251-2450186 / 2420576
Cell: 92235 00088 / 98338 60060
Email: info@integralsafety.co.in
Website: www.integralsafety.co.in