



# ALPINE INDUSTRIALCON (PVT) LIMITED



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## Driver Seat



Metal: Raw Steel

### Characteristics

- › Comfortable
- › Robustness
- › Adjustability
- › Free from fatigue design

### Description

- › Driver seat is manufactured by Alpine Industrialcon and is being used by Pakistan Army
- › The Driver seat provides for the driver's comfort and reduces fatigue effects for longer operational sustainability

## Body Moveable Disk



Material: Carbon Steel

Weight: 2.450 KG

### Characteristics

- › Integrated forging
- › Specially heat treated
- › Free from surface defects

### Description

- › Carbon steel forged machined and heat treated component
- › It is integrated forging, warpage controlled, and free from mismatch and surface defects

## Air Cleaner for T69 Tank



Material: Special Steel for Clean High Tensile/Steel for Tank Crew

### Characteristics

- › Dust free supply of air
- › Easy maintainability
- › Reliable operation

### Description

- › A special type of air filtering unit. Its manufacturing involves 1500 Dies, Jigs and fixture
- › The unit is easy to maintain and provide trouble free service
- › This assembly is responsible for the supply of clean air to the crew compartment of T-69 Tank



## Night Vision Box for T69 Tank



Part No : BW121J-28-01  
 Material = High tensile steel  
 Height: 200mm  
 Width: 220mm  
 Weight: 4KGS

### Description

A Sheet Metal press work component manufactured precise according to strict quality specifications through control of measurement and checked with gauges and templates.

## Arm Support



Material : 8 Series forging  
 : 4 Series forging  
 Weight: 20 Kg

### Part No

12253620-1 S 1  
 12253620-2 S 1  
 12268700-S

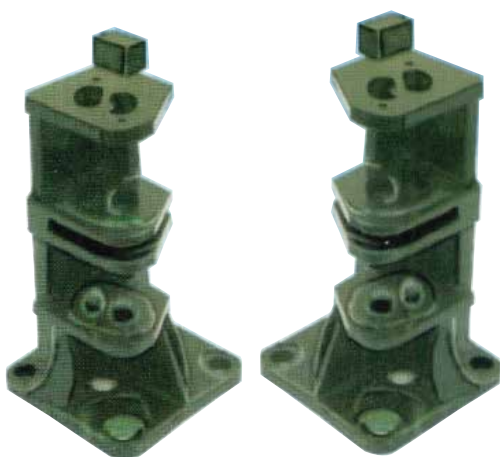
### Characteristics

- › Compatible with M-113 vehicle suspension system
- › Only manufactured by Alpine (OEM) in Pakistan
- › High precision products

### Description

- › A high quality steel forging machined, Shrunk fit, Heat treated broached and ground to very high precision us military standards
- › The components is robust to withstand jerks and jolts generated by Armored Personnel Carrier (APC) movement in cross country environment
- › The manufacturing involves large number of tooling gauges and fixture

## Right Left Brake Bracket for T69 Tank



### Left Brake Bracket

Weight: 200mm  
 Width: 224mm  
 Depth: 150mm  
 Weight: 8.3 Kgs

### Right Brake Bracket

Weight: 165mm  
 Width: 172mm  
 Depth: 294mm  
 Weight: 11.69 Kgs

Material = Carbon Steel

### Characteristics

- › Precise, accurate machining
- › Very sound casting no surface defect

### Description

- › A combination of cast, machined & plate components assembled to specified precision and accuracy
- › These components which belongs to T-69 Tank family are very critical for brake system
- › The machine plate quality checked with large number of gauges & templates

### Part No

WZ120-10-01-1  
 WZ120-10-02-3



## Guide Connecting Tube



Material: High tensile steel  
 Weight= 702 mm  
 Width= 230 mm  
 Depth= 460 mm  
 Weight= 10.135 Kgs

**Part No**  
 WZ 120-29-1253-2

### Characteristics

- » Specially heat treated
- » Precise manufacturing and quality control

### Description

- » A Sheet Metal press work component manufactured precise according to strict quality specifications through control of measurement and checked with gauges and templates.

## Night Vision Box



Material: High tensile steel  
 Height = 200mm  
 Width = 220mm  
 Weight = 4KGS

**Part No**  
 BW121J-28-01

### Description

A Sheet Metal press work component manufactured precise according to strict quality specifications through control of measurement and checked with gauges and templates.

## Trailer Mounted High Pressure Compressor



### Air Compressor

Flow : 125 M/h  
 Peressure : 350 Bar (avg)  
 Speed : 80Km/h  
 Towed by : Truck  
 Prime mover: Diesel engine  
 Total weight : 6 Tons

### Prime Mover

Engine : Diesel  
 Power : 90Kwr  
 or :  
 Motor : Electric

### Prime Mover

Length : 3500mm  
 Width : 1900 mm  
 Height: 6 Tons  
 Transportable by aircraft  
 & towable by truck, tractor

*Trailers are also available without system*



## Bomb Practice 25 LBS



Length: 22.50  
DIA: 4.0  
Weight: 25Lbs

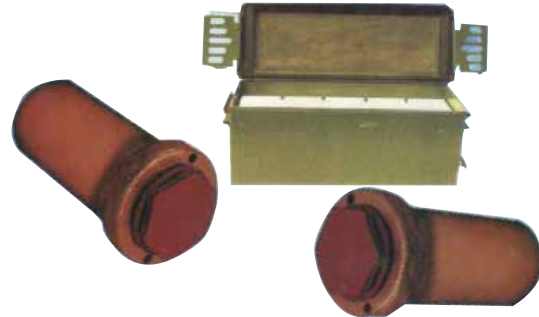
### Description

The bomb is made assembling a tear drop shaped cast iron body with a thin steel sheet fin assembly. A hollow round cavity is provided length-wise through the centre of body. A conical fin assembly having a tube in the centre is roll-crimped into two grooves in the AFT end of bomb body. A single lug is positioned just forward of the center of gravity of the bomb. The firing pin assembly is sub components of the bomb and is positioned in the nose end of the bore of the body and secured in place by retaining pin.

### Leading Particulars

- › Specially coated for sea-water
- › Resistance
- › Lethal
- › Reliable

## Adapter Booster M-184 & Container Adapter Booster



Material: High tensile steel  
Length: 7.15  
DIA: 3.50

### Description

This assembly consists of many components and is being used in Pakistan Air Force. It is used in the airily delivered bomb, as an intermediary device. The usage of this device is unique & is therefore checked during all stages of manufacturing by quality inspectors. Container adapter booster is being used by Pakistan Air Force for the packing storage & transportation of highly sensitive explosive device adapter booster M-148 PK-1-T/45, it is manufactured in accordance with military specification and qualified under ISO 9000 standards.

## Suspension Lug



Material : Steel BS970,1983 PT-1  
Height : 61.65mm  
DIA : 44.45mm

Part No  
NO 20 MK 3

### Description

Its purpose is to suspend the bomb 500 LBS HE or Dummy at NATO standard bomb racks, under the hard points of fighter aircrafts. It is manufactured by forging process.

### Characteristics

The lug is strong enough to withstand stresses developed during aircraft maneuvers at 600 knots. It can withstand the loads of 12,500 lbs.



## Retarded Tail Unit For MK-82

### 500 LBS Bombs



### Description

Retarded tail unit is defined as an assembly consist of high strength aluminum alloy which is uses to delivery low drag mode. During low level bombing, the aircraft has threat being damaged from the blast of its released bomb if the speed of bomb is not slow down. As both shall reach the target at the same time. The RTU assembly is released and air drag slows down the speed of bomb and provide aircraft a safe distance.

## 500 LBS Bomb MK-82

### Description

The bomb has a forged steel body and is design to meet the requirements of the largest possible majority of bombing mission using both the blast and fragmentation effects. The bomb is available in two versions.

- a) Bomb body with conical tail.
- b) Bomb body with Retarded Tail Unit (RTU).

### Leading Particulars

#### **Bomb (Conical Tail)**

Length: 2.15M  
Body diameter: 273mm  
Tail span: 380mm  
Weight: 240kg  
Filling HE  
LUG spacing: 356mmMV

#### **Bomb (Retarded Tail)**

Length: 2.16m  
Body diameter : 273mm  
Tail span 385mm  
Weight: 254 kg  
Filling HE  
LUG spacing 356mmM

