



ENGINE ENGINEERING CO. LLC

# NIMMER



# WEAPON MOUNTS

[www.gunmounts.com](http://www.gunmounts.com)



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# COMPANY PROFILE

## About Us

- Engine Engineering Co LLC, located in Muscat, Sultanate of Oman, a Limited company established in 1974 and commenced commercial operations in 1975.
- In EEC, we manufactures various kinds of weapon mounting systems- Gun mounts Cradles for different varieties of weapons, Ring mounts- with 4 different sizes (Dia. 650mm, 750m, 850mm & 900mm, Pedestal columns- Basic type, Hydraulic Type, Screw Type & Traverse Columns (columns suitable for Vehicles and Boats), and vehicle integration- Retrofitting complete SUV vehicles, installing weapon mount as per end user requirement.
- Manufactured and Supplied in Sultanate of Oman, and other GCC countries- Bahrain Qatar, Kuwait, UAE . NIMER Mounts were exported to European Countries- UK, Australia, Turkey, France etc.
- The mounts were tested by the British Special forces, MOD-Oman, RGO-Oman and other entities under full operational conditions. During the trials, the mounts proved to be extremely accurate.

# PRODUCT PORTFOLIO

## ■ RING MOUNTS

### 650 RING MOUNT-BASIC (65AL-SB /65MS-SB)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● Diameter (Inside)	Ø 650mm
● Traverse Degree	Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles
● Materials Available	Aluminium Alloys & Forged Steels.
● Design- Operational Specification	Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.
● Mount Compatibility	Light Weapons 5.56 MINIMI and GPMG Cradles/Gun Mounts are compactible.
● Accessories	Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.
● Optional Accessories	Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium Alloy or Armour (only for steel Rings), which will be as per end user requirement. Stowage Ammunition too optional.



### 650 RING MOUNT-FOLDABLE ARM(65AL-FA/65MS-FA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● Diameter (Inside)	Ø 650mm
● Traverse Degree	Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.
● Materials Available	Aluminium Alloys & Forged Steels.
● Design- Operational Specification	Goose Neck Arm with Cradles (without weapon) can be folded inside. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.
● Weapon Compatibility	GPMG Gun Mounts /Cradles NM101 or NM112 used in this Ring Mounts.
● Accessories	Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.
● Optional Accessories	Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium Alloy or Armour, which will be as per end user requirement.





## 750 RING MOUNT- BASIC (75AL-BS/75MS-BS)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● Diameter (Inside)	Ø 750mm
● Traverse Degree	Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.
● Materials Available	Aluminium Alloys & Forged Steels.
● Design- Operational Specification	Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.
● Mount Compatibility	Light and Heavy Cradles/Gun Mounts are compatible.
● Accessories	Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/ Sling Belt/ Gunner Belt.
● Optional Accessories	Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium Alloy or Armour (only for steel Rings), which will be as per end user requirement. For Steel Rings, Mechanical Gear Drives can be provided as per requirement.



## 750 RING MOUNT- FOLDABLE ARM (75AL-FA/75MS-FA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● Diameter (Inside)	Ø 750mm
● Traverse Degree	Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.
● Materials Available	Aluminium Alloys & Forged Steels.
● Design- Operational Specification	Goose Neck Arm with Cradles (without weapon) can be folded inside. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.
● Weapon Compatibility	GPMG Gun Mounts /Cradles NM101 or NM112 used in this Ring Mounts.
● Accessories	Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.
● Optional Accessories	Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium alloy or Armour, which will be as per end user requirement. For Steel Rings, Mechanical Gear Drives can be provided as per requirement



## 750 RING MOUNT- RETRACTABLE (75AL-RCT/75MS-RCT)

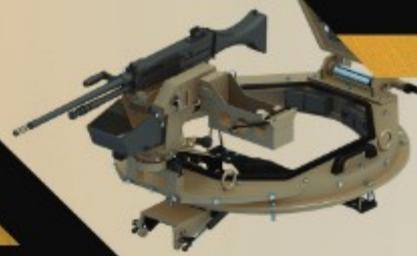
TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● <b>Diameter (Inside)</b></li> </ul>	<p>Ø 750mm</p>
<ul style="list-style-type: none"> <li>● <b>Traverse Degree</b></li> </ul>	<p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.</p>
<ul style="list-style-type: none"> <li>● <b>Materials Available</b></li> </ul>	<p>Aluminium Alloys &amp; Forged Steels for Dia. 750mm</p>
<ul style="list-style-type: none"> <li>● <b>Design- Operational Specification</b></li> </ul>	<p>Dia. 750mm only for 7.62mm GPMG Weapon Mount and can be retracted completely with weapon. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.</p>
<ul style="list-style-type: none"> <li>● <b>Weapon Compactibility</b></li> </ul>	<p>GPMG Gun Mounts /Cradles NM1 12 used in Ø 750mm Ring Mounts.</p>
<ul style="list-style-type: none"> <li>● <b>Accessories</b></li> </ul>	<p>Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.</p>
<ul style="list-style-type: none"> <li>● <b>Hatches</b></li> </ul>	<p>Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium alloy or Armour, which will be as per end user requirement. For Steel Rings, Mechanical Gear Drives can be provided as per requirement.</p>



## 750 RING MOUNT-BP (75ARGR)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● <b>Diameter (Inside)</b></li> </ul>	<p>Ø 750mm</p>
<ul style="list-style-type: none"> <li>● <b>Traverse Degree</b></li> </ul>	<p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually with help of Mechanical Gear Drive System by using the handles.</p>
<ul style="list-style-type: none"> <li>● <b>Materials Available</b></li> </ul>	<p>Ring- Forged Steel, Hatches, Top and Side Protection Plates- Ballistic Protected/ Armour.</p>
<ul style="list-style-type: none"> <li>● <b>Design- Operational Specification</b></li> </ul>	<p>The Ringmounts are completely protected/ Armoured. The Armour specifications are as per end user requirement. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.</p>
<ul style="list-style-type: none"> <li>● <b>Mount Compatibility</b></li> </ul>	<p>All Cradles/Gun Mounts are compactible.</p>
<ul style="list-style-type: none"> <li>● <b>Accessories</b></li> </ul>	<p>Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.</p>
<ul style="list-style-type: none"> <li>● <b>Optional Accessories</b></li> </ul>	<p>Hatches- Single. Material for hatch will be Ballistic Protected/ Armour, Balistic protection level as per end user requirement.</p>





## 750 RING MOUNT- BP RETRACTABLE (75ARGR-RCT)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● Diameter (Inside)</li> <li>● Traverse Degree</li> </ul>	<p>Ø 750mm</p> <p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually with help of Mechanical Gear Drive System by using the handles.</p>
<ul style="list-style-type: none"> <li>● Materials Available</li> </ul>	<p>Ring- Forged steel, Hatches, Top and Side Protection Plates- Ballistic Protected/ Armour.</p>
<ul style="list-style-type: none"> <li>● Design- Operational Specification</li> </ul>	<p>The Ring Mount Gooseneck can be retracted fully inside with GPMG Weapon (7.62mm GPMG M240/ FN MAG58), which use NM101 Cradle/ Gun Mount. Ringmounts are completely protected/ Armoured. The Armour specifications are as per end user requirement. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.</p>
<ul style="list-style-type: none"> <li>● Mount Compactibility</li> </ul>	<p>All Cradles/Gun Mounts are compactible.</p>
<ul style="list-style-type: none"> <li>● Accessories</li> </ul>	<p>Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.</p>
<ul style="list-style-type: none"> <li>● Optional Accessories</li> </ul>	<p>Hatches- Single. Material for hatch will be Ballistic Protected/ Armour, Ballistic protection level as per end user requirement.</p>



## 850 RING MOUNT- BASIC (85AL-BA/85MS-BA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● Diameter (Inside)</li> <li>● Traverse Degree</li> </ul>	<p>Ø 850mm</p> <p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.</p>
<ul style="list-style-type: none"> <li>● Materials Available</li> </ul>	<p>Aluminium Alloys &amp; Forged Steels.</p>
<ul style="list-style-type: none"> <li>● Design- Operational Specification</li> </ul>	<p>Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.</p>
<ul style="list-style-type: none"> <li>● Mount Compatibility</li> </ul>	<p>Light and Heavy Cradles/Gun Mounts are compactible.</p>
<ul style="list-style-type: none"> <li>● Accessories</li> </ul>	<p>Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.</p>
<ul style="list-style-type: none"> <li>● Optional Accessories</li> </ul>	<p>Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium Alloy or Armour (only for steel Rings), which will be as per end user requirement. For Steel Rings, Mechanical Gear Drives can be provided as per requirement.</p>



## 850 ST RING MOUNT- RETRACTABLE (850STRCT)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● Diameter (Inside)	Ø 850mm
● Traverse Degree	Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.
● Materials Available	Forged Steel for Dia. 850mm
● Design- Operational Specification	Dia. 850mm for 7.62mm GPMG and 12.7mm HMG, in which 7.62mm GPMG can be completely retractable, and HMG retracted by removing its Barrel. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation.
● Weapon Compactibility	Multi Mounts were used in 850mm Ring Mounts.
● Accessories	Empty Case Collector Bag, Ammunition Box Holders. Equipped with Flexible Seat/Sling Belt/ Gunner Belt.
● Optional Accessories	Hatches- Single or Split (Butterfly type). Material for hatch will be Aluminium Alloy or Armour, which will be as per end user requirement. For Steel Rings, Mechanical Gear Drives can be provided as per requirement.



## 850 ST RING MOUNT- RED ARROW MISSILE LAUNCHER (850MLRAS)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● Diameter (Inside)	Ø 850mm
● Traverse Degree	Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.
● Materials Available	Aluminium Alloys & Forged Steels.
● Design- Operational Specification	Red Arrow Missile Launcher Brackets were equipped. In addition to this, equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation. Mechanical Gear Drives can be provided as per requirement.
● Mount Compatibility	RED ARROW MISSILE Launcher Unit.
● Optional Accessories	Hatches- Single. Material for hatch will be Aluminium Alloy or Armour (only for steel Rings), which will be as per end user requirement.



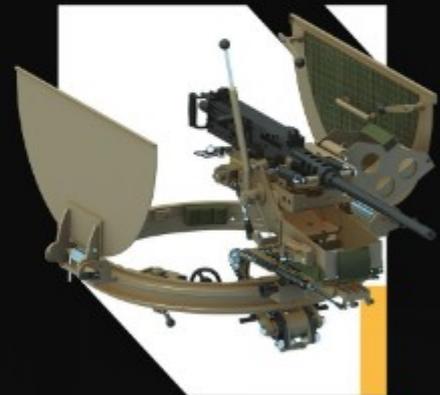
## 850 ST RING MOUNT- DILLON RETRACTABLE (850STRCTDL)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● <b>Diameter (Inside)</b></li> <li>● <b>Traverse Degree</b></li> </ul>	<p>Ø 850mm</p> <p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.</p>
<ul style="list-style-type: none"> <li>● <b>Materials Available</b></li> </ul>	<p>Forged Steels</p>
<ul style="list-style-type: none"> <li>● <b>Design- Operational Specification</b></li> </ul>	<p>Dillon 7.62 can be retracted completely inside. In addition to this, equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation. Mechanical Gear Drives can be provided as per requirement.</p>
<ul style="list-style-type: none"> <li>● <b>Mount Compactibility</b></li> </ul>	<p>Dillon System Retractable Mounting</p>
<ul style="list-style-type: none"> <li>● <b>Optional Accessories</b></li> </ul>	<p>Hatches- Single. Material for hatch will be Aluminium Alloy or Armour (only for steel Rings), which will be as per end user requirement.</p>



## 900 ST RING MOUNT-BASIC (900STBA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● <b>Diameter (Inside)</b></li> <li>● <b>Traverse Degree</b></li> </ul>	<p>Ø 900mm</p> <p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.</p>
<ul style="list-style-type: none"> <li>● <b>Materials Available</b></li> </ul>	<p>Forged Steels.</p>
<ul style="list-style-type: none"> <li>● <b>Design- Operational Specification</b></li> </ul>	<p>Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation. Mechanical Gear Drives can be provided as per requirement.</p>
<ul style="list-style-type: none"> <li>● <b>Mount Compatibility</b></li> </ul>	<p>Light and Heavy Cradles/ Gun Mounts are compatible.</p>
<ul style="list-style-type: none"> <li>● <b>Optional Accessories</b></li> </ul>	<p>Hatches- Single. Material for hatch will be Aluminium Alloy or Armour (only for steel Rings), which will be as per end user requirement.</p>



## 900 ST RING MOUNT- RETRACTABLE (900STRCT)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
<ul style="list-style-type: none"> <li>● <b>Diameter (Inside)</b></li> <li>● <b>Traverse Degree</b></li> </ul>	<p>Ø 900mm</p> <p>Ring Azimuth 360 Degrees. Traverse movement is achieved manually by using the handles.</p>
<ul style="list-style-type: none"> <li>● <b>Materials Available</b></li> </ul>	<p>Forged Steels.</p>
<ul style="list-style-type: none"> <li>● <b>Design- Operational Specification</b></li> </ul>	<p>RETRACTABLE SYSTEM with retracting 12.MM HMG M2 weapon completely inside. Equipped with Travel Lock- locking ring while not in operation, and Brakes for braking or position locking at any traverse degrees. Can rotate with single hand and easy in operation. Mechanical Gear Drives can be provided as per requirement.</p>
<ul style="list-style-type: none"> <li>● <b>Mount Compatibility</b></li> </ul>	<p>Retractable System for HMG Cradles/Gun Mounts are compatible.</p>
<ul style="list-style-type: none"> <li>● <b>Optional Accessories</b></li> </ul>	<p>Hatches- Single. Material for hatch will be Aluminium alloy or Armour (only for steel Rings), which will be as per end user requirement.</p>





# ■ LIGHT WEIGHT GUN MOUNTS

## NM-101 GUN MOUNT

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240, 5.56mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees (can be achieved upto 70 Degrees/ 30 Degrees)
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation/ Depression angles. Can be supplied with NATO adaption system.
● <b>Weight</b>	15 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## NM-112 GUN MOUNT

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240, 5.56mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees.
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation/Depression angles. Can be supplied with NATO adaption system.
● <b>Weight</b>	15 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.





# MULTI WEAPON MOUNTS

## MULTI HARD MOUNT- 127H

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7mm (50 Cal.) HMG M2HB
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees (can be adjusted minorly as per end user requirement.)
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation/Depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	18 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## MULTI HARD MOUNT- 12762H

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7mm (50 Cal.) HMG M2HB, 762MM, GPMG M240/ FN MAG58
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees (can be adjusted minorly as per end user requirement.)
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation/Depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	24 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.





# MULTI WEAPON MOUNTS

## MULTI HARD MOUNT- 1276240-H

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7mm (50 Cal.) HMG M2HB, 762mm, GPMG M240/ FN MAG58, Mk19 40mm AGL
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees (can be adjusted minorly as per end user requirement.)
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation/Depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	36 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## MULTI HARD MOUNT- 127CH

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7mm Chinese Weapon.
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	70 Degrees / 15 Degrees (can be adjusted minorly as per end user requirement.)
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation Depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	25 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## MULTI HARD MOUNT- 14.5 DSHK

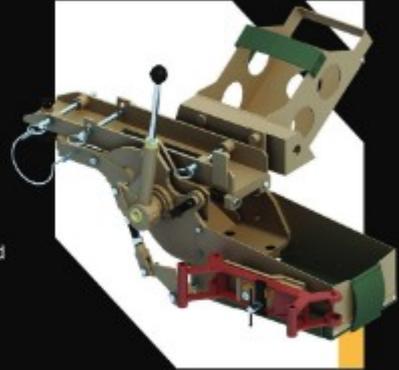
TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	14.5 DSHK Weapon.
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjusted minorly as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees (can be adjusted minorly as per end user requirement.)
● <b>Design- Operational Specification</b>	Single Lever Operation for Both Traverse and Elevation/Depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	35 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



# MULTI SOFT MOUNTS

## MSM – LIGHT WEIGHT MOUNT (12762-LWS) (Buffered – With Shock Absorbing System)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7 mm (.50 Cal) HMG M2HB, 762 mm, GPMG M240 / FN MAG58, Mix19 40mm AGL
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end-user requirement.
● <b>Elevation / Depression</b>	45 Degrees / 15 Degrees (can be adjusted minorly as per end-user requirement)
● <b>Design - Operational Specification</b>	With buffered system to absorb the recoiling forces of weapons. Single lever operation for both traverse and elevation-depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	36 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## MSM – BASIC (1276240-5) (Buffered – With Shock Absorbing System)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7 mm (.50 Cal) HMG M2HB, 762mm GPMG M240 / FN MAG58, Mix19 40mm AGL
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end-user requirement.
● <b>Elevation / Depression</b>	45 Degrees / 15 Degrees (can be adjusted minorly as per end-user requirement.)
● <b>Design - Operational Specification</b>	With buffered system (shock absorbers) to absorb the recoiling forces of weapons. Single lever operation for both traverse and elevation, depression angles. Can be supplied with NATO adaptation system.
● <b>Weight</b>	48 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## MSM- TUNING (1276240-ST) (Buffered-With Shock Absorbing System)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	762mm GPMG MAG58 / M240, 12.7 mm (.50 Cal) HMG M2HB, MK19 40mm AGL, 5.56 mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 50 Degrees. Can be adjustable as per end-user requirement
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees
● <b>Design - Operational Specification</b>	With fine tuning system for accurate targeting and target adjustment. Single lever operation for both traverse and Ele/Dep angles. Can be supplied with NATO adaptation system. With shock absorbing system to absorb the recoiling forces.
● <b>Weight</b>	52 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons





# TWIN MOUNTS

## Twin Mount (762-NM101TW)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240, 5.56mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end-user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees
● <b>Design - Operational Specification</b>	Single Lever Operation for Both Traverse and Ele/Dep. angles. Can be supplied with NATO adaptation system. Separate Ammunition Box Holders.
● <b>Weight</b>	35 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## Twin Mount (762-NM112TW)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240, 5.56mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end-user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees
● <b>Design - Operational Specification</b>	Single Lever Operation for Both Traverse and Ele/Dep. angles. Can be supplied with NATO adaptation system. Separate Ammunition Box Holders.
● <b>Weight</b>	30 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## Twin Mount (762-CHTW)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62 mm GPMG CHINESE (assumed correct terminology; if a specific model is known, consider using that)
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end-user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees
● <b>Design - Operational Specification</b>	Single Lever Operation for Both Traverse and Ele/Dep. angles. Can be supplied with NATO adaptation system. Separate Ammunition Box Holders.
● <b>Weight</b>	42 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.

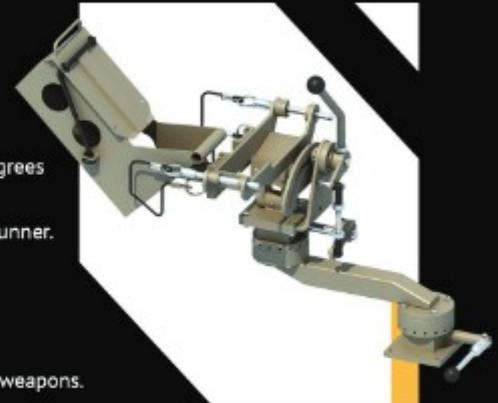




# SWING ARM MOUNTS

## SINGLE SWING ARM- (762-SSA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62 mm GPMG MAG58 / M240, 5.56 mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 15 Degrees (can be adjusted 70 Degrees/10 Degrees or lesser).
● <b>Design - Operational Specification</b>	This system is used commonly on the vehicle for Co-driver/Gunner. Single Lever Operation for Both Traverse and Elevation/Depression angles.
● <b>Weight</b>	Swing Arm weight 6 kg and Gun Mount weight 15 kg.
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## SINGLE SWING ARM- (12762H-SSA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	12.7mm HMG M2 , 7.62mm GPMG MAG58
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 10 Degrees (can be adjusted 70 Degrees/10 Degrees or lesser).
● <b>Design - Operational Specification</b>	This system is used commonly on the vehicle for Co-driver/Gunner. Single Lever Operation for Both Traverse and Elevation/Depression angles
● <b>Weight</b>	Swing Arm weight 8 kg and Gun Mount weight 24 kg.
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.



## DOUBLE SWING ARM - (762-DSA)

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240, 5.56mm MINIMI
● <b>Traverse Degree</b>	Traverse restricted to +/- 30 Degrees. Can be adjustable as per end user requirement.
● <b>Elevation/ Depression</b>	45 Degrees / 10 Degrees (can be adjusted 70 Degrees/10 Degrees or lesser).
● <b>Design - Operational Specification</b>	This system is used commonly on the vehicle for Co-driver/Gunner. Independent traverse lock for both arms. Single Lever Operation for Both Traverse and Elevation/Depression angles. Can be used in land and sea operation.
● <b>Weight</b>	25 kg
● <b>Accessories Included</b>	Empty Case Collector Bag, Ammunition Box Holders for both weapons.





# PEDESTAL COLUMNS

## BASIC PEDESTAL COLUMN - BCL

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Operational Mechanism</b>	Manual mechanism- Hand Operated lifting mechanism
● <b>Telescopic Raise and Fall</b>	Ring Azimuth 360 Degrees. Traverse movement is achieved manually with help of mechanical gear drive system by using the handles.
● <b>Design - Operational Specification</b>	Non-traversing pedestal, with base plate. The equipment is designed with a fixed base plate and three-legged support, providing a stable and rigid foundation for optimal operation.
● <b>Traverse Degree for Cradles</b>	Cradles with 360 Degree, can be restricted to end-user requirement.
● <b>Mounting Outfits</b>	Installing in Pickups and Boats
● <b>Armour Protection</b>	Optional, as per end-user requirement.



## PEDESTAL COLUMN- BASIC SJCKL

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Operational Mechanism</b>	Manual mechanism- Screw Column.
● <b>Telescopic Raise and Fall</b>	Telescopic raise & fall – 14 inches and can be locked in height positions using locating pins.
● <b>Design- Operational Specification</b>	Non-traversing pedestal, with base plate. The equipment is designed with a fixed base plate and three-legged support, providing a stable and rigid foundation for optimal operation.
● <b>Traverse Degree for Cradles</b>	Cradles with 360 Degree, can be restricted to end-user requirement.
● <b>Mounting Outfits</b>	Installing in Pickups and Boats
● <b>Armour Protection</b>	Mount Multi Soft Mounts/ Cradle, with GPMG, HMG and Mk19 40mm AGL.





## PEDESTAL COLUMN- HYDRAULIC - HYDCL

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Operational Mechanism</b>	Manual mechanism- HYDRAULIC
● <b>Telescopic Raise and Fall</b>	Telescopic raise & fall – 10 inches and can be locked height positions using locating pins.
● <b>Design - Operational Specification</b>	Traversing Pedestal, with Base plate. The equipment is designed to rotate +/- 360 degrees and can be braked at any positions. Pedal with Hydraulic system used for telescopic movement.
● <b>Traverse Degree for Cradles</b>	Cradles with 360 Degree, can be restricted to end-user requirement.
● <b>Mounting Outfits</b>	Under PEDESTAL COLUMN TRAVERSING – PCT
● <b>Armour Protection</b>	Mount Multi Soft Mounts/ Cradle, with GPMG, HMG and Mk19 40mm AGL.



## PEDESTAL COLUMN TRAVERSING- PCT

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Operational Mechanism</b>	Manual mechanism- HYDRAULIC
● <b>Telescopic Raise and Fall</b>	Telescopic raise & fall – 10 inches and can be locked height positions using locating pins.
● <b>Design - Operational Specification</b>	Traversing Pedestal, with Base plate. The equipment is designed to rotate +/- 360 degrees and can be braked at any positions.
● <b>Traverse Degree for Cradles</b>	Cradles with 360 Degree, can be restricted to end-user requirement.
● <b>Mounting Outfits</b>	Installing in Pickups and Boats
● <b>Armour Protection</b>	Used to Mount Light Weight Mount NM101 & NM112- for GPMG and MINIMI.



# ■ LIGHT WEIGHT CUPOLAS

## CUPOLA- 58WS-ST

NIMER Weapon Station is protected System designed for One Man Operation. Its inclusive of Armour protected system on geared turret/ring. Its also consist of Armour protected Hatch. Height of Protection system will 300mm to 500mm, depends on customer requirement.

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Armour</b>	Armour Protection (Complete), with STANAG Level, as per end user requirement. Its Equipped with Armour Protection Glasses for visibility for the Gunner
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240,.
● <b>Traverse Degree</b>	+/- 360 Degrees achieved with Manual Mechanical Gear System or free traverse, with position brakes/locks. Cradle Traverse restricted to +/- 30 Degrees.
● <b>Elevation/ Depression</b>	35 Degrees / 10 Degrees
● <b>Design- Operational Specification</b>	Inside Diameter is 580mm. Designed for One Man operation
● <b>Optional Accessory</b>	Top Protection Plate wit Armour Protection Glasses., Ammunition holder at rear and Periscopic stand are included in optional accessories.



## CUPOLA- 75LWS-ST/85LWS-ST

NIMER Weapon Station is protected System designed for One Man Operation. Its inclusive of Armour protected system on geared turret/ring. Its also consist of Armour protected Hatch. Height of Protection system will 300mm to 500mm, depends on customer requirement.

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Armour</b>	Armour Protection (Complete), with STANAG Level, as per end user requirement. Its Equipped with Armour Protection Glasses for visibility for the Gunner
● <b>Weapon Acceptability</b>	7.62mm GPMG MAG58 / M240.
● <b>Traverse Degree</b>	+/- 360 Degrees achieved with Manual Mechanical Gear System or free traverse, with position brakes/locks. Cradle Traverse restricted to +/- 30 Degrees.
● <b>Elevation/ Depression</b>	35 Degrees / 10 Degrees
● <b>Design- Operational Specification</b>	Inside Diameter is 750mm. Designed for One Man operation
● <b>Optional Accessory</b>	Top Protection Plate with Armour Protection Glasses, Ammunition holder at rear and Periscopic stand are included in optional accessories.





# WEAPONSTATIONS HD CUPOLAS

## WEAPONSTATION- 75WS-ST

NIMER Weapon Station is protected System designed for One Man Operation. Its inclusive of Armour protected system on geared turret/ring. Its also consist of Armour protected Hatch. Height of Protection system will 600mm to 900mm, covering upto head of Gunner.

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
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- **Armour** Armour Protection with STANAG Level, as per end user requirement.
- **Weapon Acceptability** 7.62MM GPMG MAG58 / M240, 12.7mm (50 Cal) HMG M2HB
- **Traverse Degree** +/- 360 Degrees achieved with Manual Mechanical Gear System or free traverse, with position brakes/locks. Cradle Traverse restricted to +/- 30 Degrees.
- **Elevation/ Depression** 35 Degrees / 10 Degrees
- **Design- Operational Specification** Designed for One Man operation. Inside Diameter is 750mm.



## WEAPONSTATION- 85WS-ST

NIMER Weapon Station is protected System designed for One Man Operation. Its inclusive of Armour protected system on geared turret/ring. Its also consist of Armour protected Hatch. Height of Protection system will 600mm to 900mm, covering upto head of Gunner.

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
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- **Armour** Armour Protection with STANAG Level, as per end user requirement.
- **Weapon Acceptability** 7.62MM GPMG MAG58 / M240, 12.7mm (50 Cal) HMG M2HB, Mk19 40mm AGL.
- **Traverse Degree** +/- 360 Degrees achieved with Manual Mechanical Gear System or free traverse, with position brakes/locks. Cradle Traverse restricted to +/- 30 Degrees
- **Elevation/ Depression** 35 Degrees / 10 Degrees
- **Design- Operational Specification** Designed for One Man operation. Inside Diameter is 850mm. width 1100mm, Length 1350mm without Weapon and with Weapon (12.7mm) Length is 2225mm.



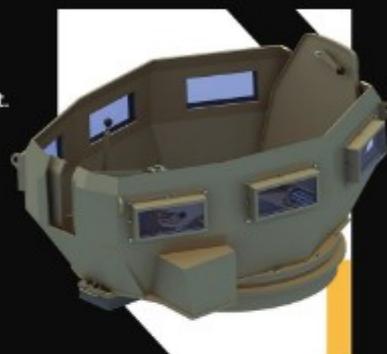


# WEAPONSTATIONS HD CUPOLAS

## WEAPONSTATION- 85WS-FRFC

NIMER Weapon Station is a protected System designed for one-man Operation. It is inclusive of an armour-protected system on a geared turret/ring. It also consists of an armour-protected hatch. The height of the protection system will range from 600 mm to 900 mm, covering up to the head of the gunner.

TECHNICAL DETAILS	TECHNICAL DESCRIPTION
● <b>Armour</b>	Armour Protection with STANAG Level, as per end user requirement.
● <b>Weapon Acceptability</b>	7.62MM GPMG MAG58 / M240, 12.7mm (50 Cal.) HMG M2HB, Mk19 40mm AGL.
● <b>Traverse Degree</b>	+/- 360 Degrees achieved with Manual Mechanical Gear System or free traverse, with position brakes/locks. Cradle Traverse restricted to +/- 30 Degrees.
● <b>Elevation/ Depression</b>	35 Degrees / 10 Degrees
● <b>Design- Operational Specification</b>	Designed for One Man operation. Inside Diameter is 850mm. width 1300mm, Length 1750mm without Weapon.





# ■ VEHICLE RETROFITTING

## VEHICLE INTEGRATION/MODIFICATION

Commercial vehicle modified from chassis to weapon carriers. The retrofitting may include installation of weapon mount system with NIMER basic ring mount and multi-weapon mounts. This includes the storage essentials, ammunition boxes and weapon holders. In some cases, it includes with front and rear Bumper replacement with steel or aluminium, Bull bar, Safety Guard covers, run flat system and additional seats for the crews as per the end-user's requirements.





## ■ TYRE CHANGING MACHINE

This machine is the FIRST of it's kind to be DESIGNED and MANUFACTURED in the Middle East, following international standards in the materials used, design and workmanship. It boasts many practical features such as being manufactured locally with full availability of spare parts, service, repairs and the ability to meet the customer's modification requirements, with the following main features:

- The tyre Machine is suitable for R16"/R20"/R22 R25" Tires
- Complete tyre Changing operations including "Run Flat Inserts" can be carried out on the same machine.
- Machine handling is easy and safe
- All necessary tools and tackles are supplied with the machine.



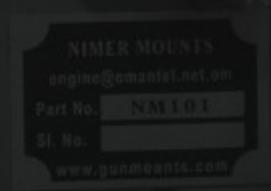


## Conclusion

- Engine Engineering is very unique in its approach to understand the customer/operator/end-users requirements.
- Design is based on their observations and comments.
- Our products are trialled and tested in the local harsh environments to ensure mechanical integrity and durability. This includes both live fire and vehicle trundling.
- Live firing trials conducted both in the Middle East and in UK- by established UK MOD listed evaluation organisations.
- Testing and evaluation of systems have been conducted to the highest standards under both operational and hostile conditions.
- The results obtained from these trials and other customer trials have been noted as outstanding, for their innovative design, precision, accuracy and ease of operation.
- At Engine Engineering we are dedicated in providing products and services that will satisfy the needs and requirements for the worldwide emphasis armed forces.



NOT FOR DISCLOSURE 



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