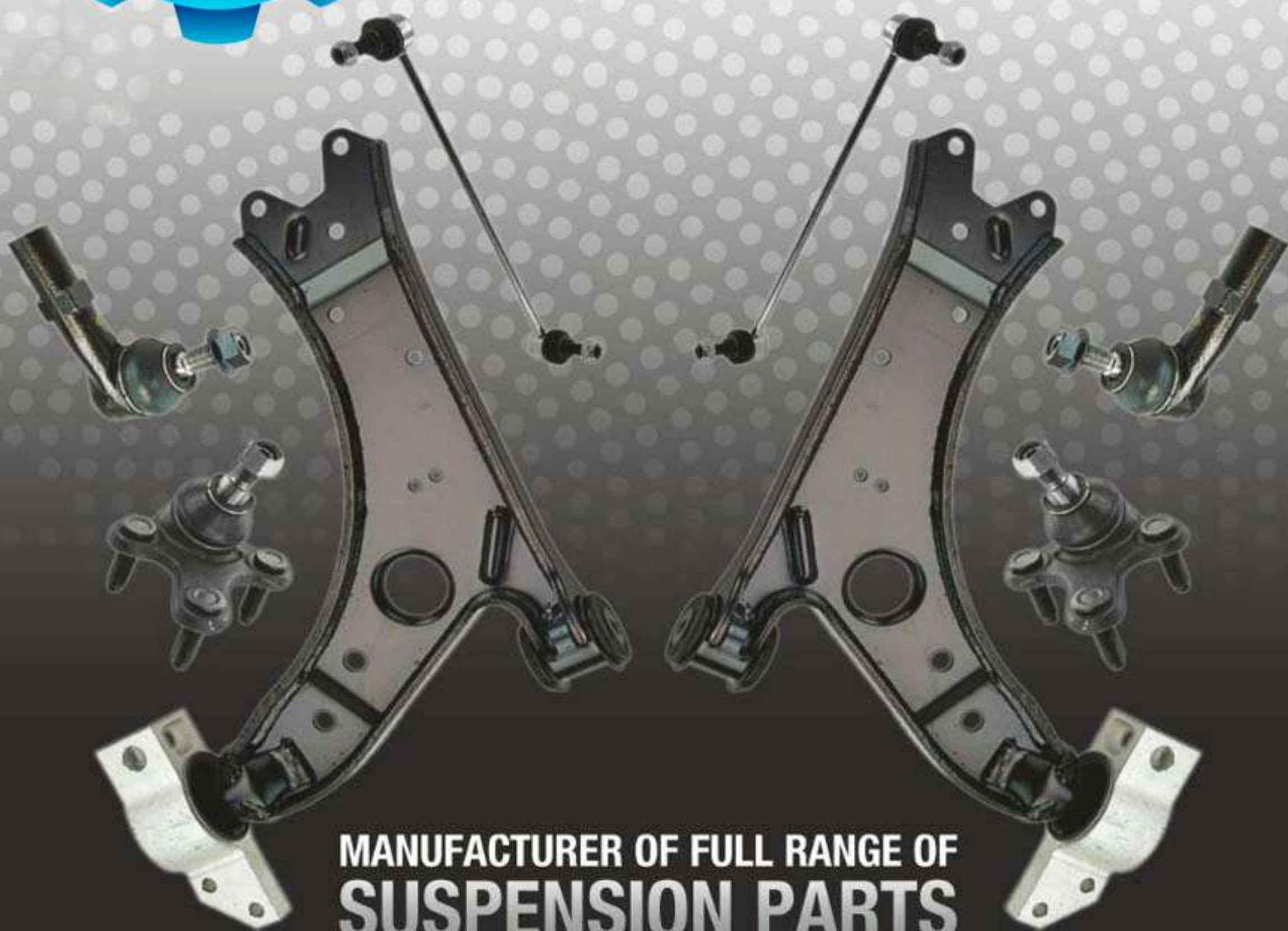




An ISO 9001:2015 Co.



**MANUFACTURER OF FULL RANGE OF  
SUSPENSION PARTS**

**STEERING & SUSPENSION PARTS**

TRACK CONTROL ARMS | TIE ROD ENDS | STABILIZER LINKS | SUSPENSION BALL JOINT | RACK ENDS

**MORIN AUTO PRIVATE LIMITED**





## ABOUT US

**MORIN AUTO** is a company engaged in the development, production and sales of automotive suspension system parts manufacturing enterprises.

Our company owns a professional technical personnel team, advanced manufacturing and testing equipments with rich experiences and capabilities of developing new products. The products of our company which have obtained uniform favorable praised from most customers are of superior quality, full variety and nice appearance. The company always adhere to continuous innovations by science & technology and keeps developing new products of excellent quality by applying new technologies and new materials. It is going all out to provide excellent and satisfactory before-sale, in-sale and after-sale services for all customers based on the service concept of "ALL FOR CUSTOMER". Our company, based on the operation concept of "Sincere and faithful cooperation to create mutual benefit together", is looking forward to developing and creating a splendid future together with all friends in society.

## VISION

To sustain our leadership through technology upgradation, innovation and value engineering. We aim to accomplish this by focusing on customer centricity, by aiming to become a trusted name in the original equipment market place. Our desire is to succeed in today's volatile and ever changing business environment driven by our passion for excellence.

## MISSION

Our main mission is to carry out manufacturing activity with high quality operational standards under professional management. And to exceed our customer's expectations by offering superior products and service.



# PRODUCT RANGE

NEW RANGE OF  
SUSPENSION  
PARTS FOR :-

Maruti  
Honda  
Hyundai/Kia  
Ford  
Toyota  
Nissan  
Mitsubishi  
Volkswagen  
GM  
Renault  
Chevrolet Etc.





# TATA PARTS



# TRACTOR PARTS



# JCB PARTS







## **MACHINERY**

### **ROBOTIC WELDING FOR TRACK CONTROL ARM**

## **AFTERMARKET**

With its aftermarket product range comprising an array of items, Morin Auto offers wholesale of automotive parts, retailers and independent garages a powerful portfolio, which covers a great deal of the market. We have a sizable presence in the Indian Aftermarket where all our products are recognized for premium quality.







# MORIN AUTO GENIUNE PARTS



## SEALED FOR LIFE

### Cover dust boot

Completely for  
Protection purpose  
during delivery

### Upper and lower rings

To secure the dust cover  
and ensure ball stud  
having a perfect protection  
when facing the various  
external environments

### Upper cap

With heat treatment  
offering a stronger  
assembly and  
excellent safety  
purpose

### Plastic bearing & Grease

- The inside of POM is extremely smooth so it assure ball pin can have low-friction movement and provide high performance lubrication with performance lubrication with RT special grease
- POM material guarantee significant performance even in an extreme climate

### Lock Nut

Use expensive Nylock  
plated inside as a  
resistant fastener coz  
it can truly ensure ball  
joint won't get loose  
when vibration frequency  
or bad road conditions

We have overcome the challenge of 6 Sigma quality demand and 0 PPM.

We polish the head of ball stud in which roughness is less than Ra 0.2, and concentricity is +0.01mm.

We follow the spec that both inner and outer diameter are +0.005mm, roundness is 0.01mm, and concentricity is 0.1mm.

### Self- lock nut

Completely for  
Protection purpose  
during delivery

### Dust cover

Excellent Weathering  
resistance working  
temperature: -40°C- +140°C

### PU ring

To avoid dust and  
water go inside for a  
longer durability

- Only use material SAE4135 with a professional heat treatment to reach hardness HRC27-34
- Roughness of sphere **Ra0.3** so as to finish ball stud look like

**Mirror Surface** for  
guaranteeing smooth  
movement & longer  
life time

- Tensile strength  
900-1050 N/mm

### Housing

Use quality steel with heat treatment  
to provide high stiffness and strenght,  
plus, it is machined as one-piece  
housing for preventing crack.



## MACHINING





# MORIN AUTO GENIUNE PARTS



## HEAVY DUTY



### QUALITY ASSURANCE:

**60,000 KILOMETERS ASSURANCE OR 3 YEAR ASSURANCE**

This quality assurance originated from our TS-16949 management capability and CPK quality control capability.

### NEW PRODUCT DEVELOPMENT STRATEGY:

**DEVELOP WITHIN 1 YEAR AFTER TOP SELLING NEW CARS RELEASING IN THE MARKET**

That is why we are OEM supplier and very capable to provide PPAP.

### LEAD TIME:

**WITHIN 45 DAYS**

This short lead time is because we have perfectly combined five major systems, ERP,TPS,TPM,TQM, and 5S.

**DECLARATION TO OUR CUSTOMERS**



With the very solid of control arm, the very precise or torque for ball joint, and the very shockproof of rubber busing.

We make our assembled items under the assurance of 3 years or 60,000 Kilometers which all items passed the strict Life Test for over 1,000,000 times.

We insist in strict standard in each assembled step, making our art work-control arm to exceed the level of work of art..

**ART OF ASSEMBLY IN  
AUTOMOTIVE  
SUSPENSION PARTS**

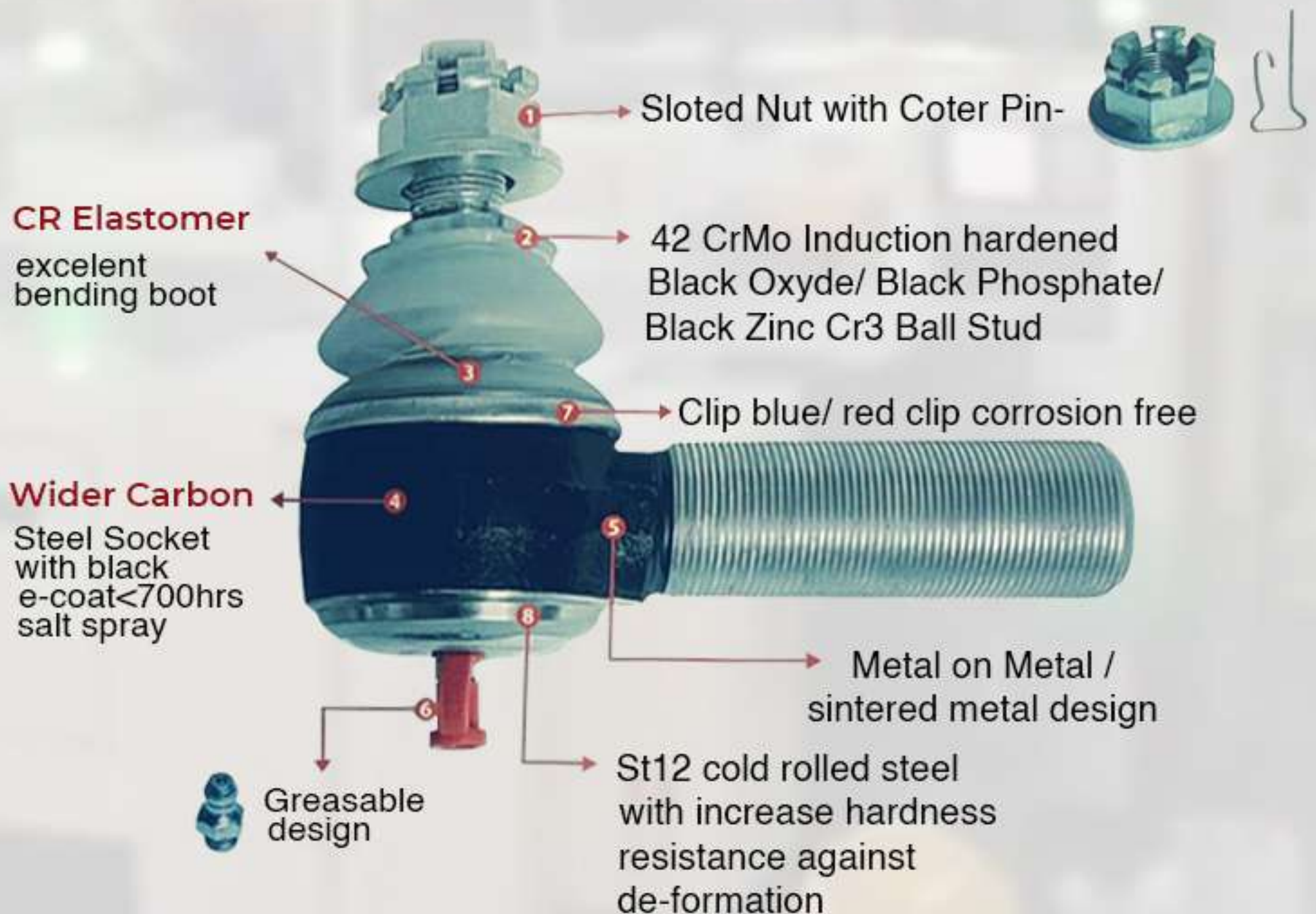




**MORIN AUTO**  
GENIUNE PARTS



## M2M FEATURES



We make bush with a variety of hydraulic designs, ful of elasticity and the very precise of shockproof

We produce dust covers with their 100% anti-rust and waterproof protection.

We create rubber items which can survive under the condition of high temperature up to 70°C.and down to low temperature for -40°C.



**BUSHINGS**





**MORIN AUTO**  
GENIUNE PARTS

## PRODUCTS DETAIL



### **Tie Rod Ends:**

Joint between the drag link and the journal. it allows the chesis to flex which there are potholes in the road, without affecting the stering box.

### **Inner Tie Rods:**

Mounted on the ends of the rack, they prevent oscillation from the wheel-journal from reaching the stering box.



### **Drag Links:**

They allow the steering to be more flexible and precise on uneven ground. their mission is to directly transfer the effect of the steering whel to the wheels.

### **Ball Joints:**

They allow the steering to be more flexible and precise on uneven ground. their mission is to directly transfer the efect of the steering whel to the wheels.



### **Stabilizing Links:**

They allow the steering to be more flexible and precise on uneven ground. their mission is to directly transfer the efect of the steering whel to the wheels.

### **Sway Bars & Link Kits:**

We strive for the maximum reliability of the material used, accurancy and fine finish of the sway link kts



### **Idler Arms & Pitman Arms:**

Morin Auto idler & Pitman Arms are hot forged rather than cast . As such we have eliminated the drawbacks of porosity in cast-made Idler arm and Pitman Arms. The forgings provide greater strength and better fatigue resistance and make these arms more durable.

### **Control Arms:**

Morin Auto offers a vivid range of control Arms manufactured to OEM quality specifications to its customers. It caters to their al the requirements with an assurance of total satisfaction.



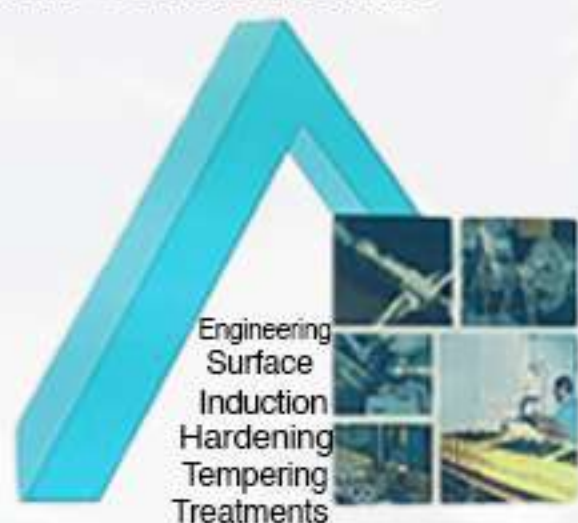




**MORIN AUTO**  
GENIUNE PARTS

## MANUFACTURING EXPERTISE

STATE-OF-ART TECHNOLOGY COMBINED WITH IN HOUSE, EXPERIENCED STAFF AND DECADES OF KNOW-HOW ENSURE O MATCHING QUALITY OF ENTIRE RANGE . WITH A DEVELOPMENT CAPACITY OF NEW REFERENCE AND EXTENSIVE TESTING FACILITIES TO ENSURE COMPLIANCE WITH ALL STANDARDS OF SAFETY,QUALITY AND RELIABILITY SELLER BECOMES THE PARTNER OF CHOICE FOR ANY AND ALL STEERING AND SUSPENSION NEEDS. FROM A SIMPLE TIE ROD END TO COMPLEX TRACK CONTROL ARM.



## MANUFACTURING FACILITY PRODUCTION LINE



New Manufacturing Facility with a capacity of 9 million suspension parts per annum is now operational.

## FINISH GOODS



**LOW MOQ HIGH QUALITY BEST PRICE**





**MORIN AUTO**  
GENIUNE PARTS

## QUALITY & ENGINEERING

Tech innovation is the driving force to enterprise's competitive advantage and long term development

By attaching importance to scientific innovation, Morin Auto as corporate vitality employ genuine profesional to conduct experiments in product development so as to enhance product design quality and to shorten development period. Never-ending chance and improvements placed by adoptng new technology, Morin Auto is leading in adopting world's advanced technology in product development.

A well tested quality system ensures our customers with a product comforming to the standards and with a consistent quality.

### ENDURANCE TEST

- Rotary (Dynamic) Torque and Rocking (Dynamic) Torque testing machine.
- Reverse engineering charatersting test facility.
- Push out/pull out strength testing machine.
- IBJ/OBJ testing machine.
- Impact strength tester.
- Computerized axial lift test machine.
- Dust cover life cycle testing rigs.
- On line oscillatory torque testing machine.
- Life cycle test rigs.
- Torque angle test.
- Vibration and shudder test.
- Salt spray test.

### CRACK DETECTION TEST

- Metallurgical destructive and non-destructive test.







# MORIN AUTO

Steering and Suspension

Engineered to  
**Perfection**

American, European, Japanese,  
Korean and Indian Applications



## Application For

Commercial Vehicles



Agricultural Vehicles



Passenger Vehicles



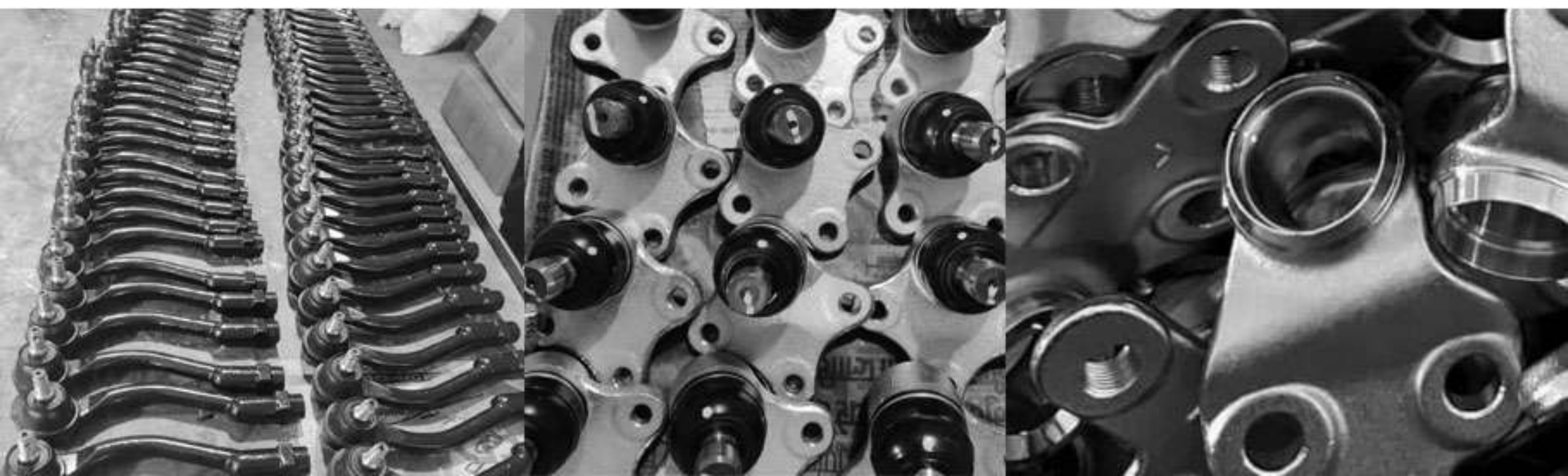




## Engineered to Perfection

**Designed to be the most durable, Morin Auto steering and Suspension parts stand for reliability, comfort and safety. With a strong focus on quality we deliver high performance products for passenger, commercial and agricultural vehicles. Our range covers majority of the American, European, Indian and Japanese applications. Our customer centric approach combined with our engineering expertise enable us to provide us to provide the best solutions with the ultimate performance and strength.**

- ☐ Over **4700** Steering and Suspension Parts
- ☐ Exporting to over **6** countries
- ☐ ISO **9001:2015** certified
- ☐ In-house **Quality Lab** with latest testing machinery





*“Quality and the pursuit of  
perfection, sharing excellence”*



**MORIN AUTO PRIVATE LIMITED**

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