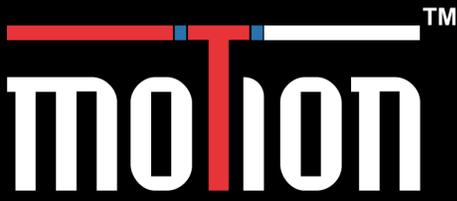


**MOVING  
PERFORMANCE  
FORWARD...**



**INDIA  
MOVES  
WITH**





**MOVING  
PERFORMANCE  
FORWARD...**

Motion is the value-driven automotive component brand from the Poddar Group, engineered for reliability, affordability, and everyday performance. Trusted by 10,000+ Mechanics across all states.

### **Why Motion?**

- Constant Quality
- Competitive Pricing
- Easy Availability

## **ABOUT PODDAR GROUP & MOTION STRENGTH YOU CAN TRUST**

Backed by the Poddar Group's manufacturing expertise and nationwide network, Motion delivers dependable products designed for mass-market vehicles and high-usage conditions.

Motion focuses on consistent quality, easy availability, and cost efficiency—making it the preferred choice for mechanics, fleet owners, and retailers.

## **In-House R&D and Technology**



**PNG FURNACE**



**HYDRO-PNEUMATIC SPM**



**CNC TURNER**



**TESTING & QA**

## PRODUCT RANGE

### ***BUILT FOR EVERYDAY PERFORMANCE***

- Automotive Bushes
- Pins & Standard Components
- Silicon Bronze & Tin Bronze Bushes
- Gun Metal, Rubber & PU Bushes
- Induction Hardened Pins & Lift Bolts up to Grade 8.8
- King Pin Bushes, Bearings, and Assembly

Designed for durability, load-bearing strength, perfect fitment, low failures and long service life.

Manufactured under strict quality controls, Motion products offer excellent fitment, durability, and value for money.







**INDIA  
MOVES  
WITH**

**motion**<sup>TM</sup>

# MARKET REACH & VALUE

## DESIGNED FOR THE REAL WORLD

- Strong distributor & retailer network
- High acceptance among mechanics & fleet operators
- Ideal balance of price, performance & longevity
- Fast-moving SKU Portfolio
- Reliable after sales supportailers.



<h1>MOTION BUSHES</h1>	<p><b>SILICON BRONZE PROPERTIES:</b>  <b>CHEMICAL COMPOSITION CUZN31SI</b>  <b>Process: Sand Casting in PNG Furnace</b></p>																				
<table border="0"> <tr><td>Cu</td><td>66-70%</td></tr> <tr><td>Si</td><td>1% Max</td></tr> <tr><td>Pb</td><td>0.5% Max</td></tr> <tr><td>Impurity</td><td>1% Max</td></tr> <tr><td>Zn</td><td>Balance</td></tr> </table>	Cu	66-70%	Si	1% Max	Pb	0.5% Max	Impurity	1% Max	Zn	Balance	<table border="0"> <tr><td>Hardness:</td><td>70-80 HRB (120~150 BHN)</td></tr> <tr><td>Tensile Strength</td><td>500-600 MPa</td></tr> <tr><td>Concentricity</td><td>0.100</td></tr> <tr><td>Piece Break Outside</td><td>No</td></tr> <tr><td>Suitable Composition for Slow Motion</td><td></td></tr> </table>	Hardness:	70-80 HRB (120~150 BHN)	Tensile Strength	500-600 MPa	Concentricity	0.100	Piece Break Outside	No	Suitable Composition for Slow Motion	
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<h1>PINS</h1>	<p><b>CARBON STEEL PROPERTIES:</b>  <b>COMPOSITION SPECIFICATION EN8D</b></p>																				
<table border="0"> <tr><td>C</td><td>0.42-0.50%</td></tr> <tr><td>Si</td><td>0.10-0.35%</td></tr> <tr><td>Mn</td><td>0.60-0.90%</td></tr> <tr><td>S</td><td>0.35 Max</td></tr> </table>	C	0.42-0.50%	Si	0.10-0.35%	Mn	0.60-0.90%	S	0.35 Max	<table border="0"> <tr><td>Hardness:</td><td>58 ± 3 HRC</td></tr> <tr><td>Core Hardness:</td><td>175-235 BHN</td></tr> <tr><td>Case Depth Hardness:</td><td>upto 1.25-1.75 mm</td></tr> </table>	Hardness:	58 ± 3 HRC	Core Hardness:	175-235 BHN	Case Depth Hardness:	upto 1.25-1.75 mm						
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<h1>BOLTS</h1> <b>Grade 8.8</b>	<p><b>Carbon steel with additives quenched and tempered up to Grade 8.8.</b>  <b>Surface Finish: Phosphating as per IS 3618</b></p>																				
<table border="0"> <tr><td>C</td><td>0.40 Max</td></tr> <tr><td>P</td><td>0.035 Max</td></tr> <tr><td>S</td><td>0.035 Max</td></tr> <tr><td>B</td><td>0.003 Max</td></tr> </table>	C	0.40 Max	P	0.035 Max	S	0.035 Max	B	0.003 Max	<table border="0"> <tr><td>Rockwell Hardness:</td><td>23-34 HRC</td></tr> <tr><td>Tensile Strength</td><td>800-830 N/mm<sup>2</sup></td></tr> <tr><td>Stress</td><td>640-660 N/mm<sup>2</sup></td></tr> <tr><td>Breaking Torque</td><td>230 Nm</td></tr> </table>	Rockwell Hardness:	23-34 HRC	Tensile Strength	800-830 N/mm <sup>2</sup>	Stress	640-660 N/mm <sup>2</sup>	Breaking Torque	230 Nm				
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## ADVANTAGES

- Affordable Pricing
- Proven Durability
- Backed by Poddar Group manufacturing strength



**RELIABLE PRODUCTS THAT  
KEEP INDIA MOVING.**



## MOTION INDUSTRIES

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