



GRINDLAY'S

Energising Engines Worldwide

www.indiapistonring.com

www.grindlaysindia.com

Grindlays Engine Parts Pvt. Ltd.

An ISO 9001:2015 CO.

Energising

Engines

Worldwide



Manufacturer of Piston Rings



ABOUT US

- 57 Years Of Experience
- 6 Manufacturing Plants
- ISO 9001:2015 Certified Company
- Exporting To 32 Countries
- Over 4000 Part Numbers
- OEM Parts Supplier
- Aftermarket Supplier
- Private Labeling

MILESTONES

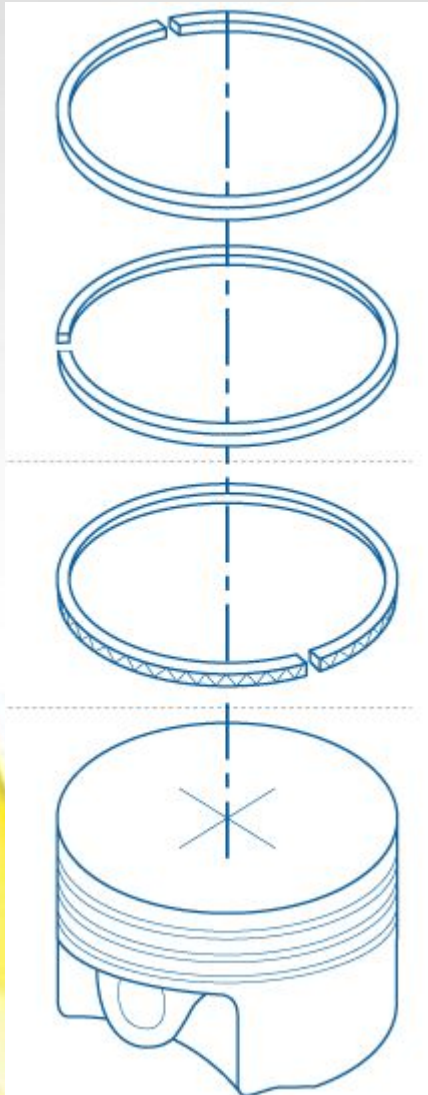
- **Company Established in 1966**
- **Brand Launched in 1970**
- **Exports Started in 1981**
- **2nd Manufacturing Unit in 1982**
- **3rd Manufacturing Unit in 1988**
- **4th Manufacturing Unit in 1997**
- **ISO Certified in 1997**
- **Started Automation in 2000**
- **1st Supply to OEM's**
- **5th Manufacturing Unit in 2011**
- **6th Manufacturing Unit in 2015**
- **7th Manufacturing Unit in 2022**

PISTON RINGS



- Upto Diameter 450mm
- Grey Cast Iron
- Alloyed Cast Iron
- Spheroidal Graphite Iron
- Steel Rings
- Transmission Rings
- Seal Rings

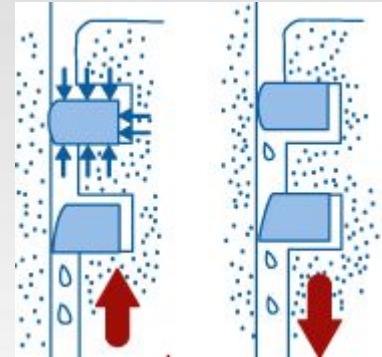
PISTON RINGS FUNCTION



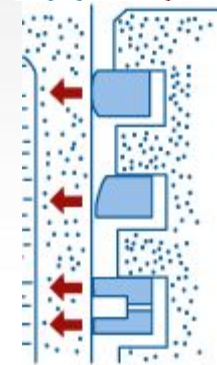
Top Ring

2nd Ring

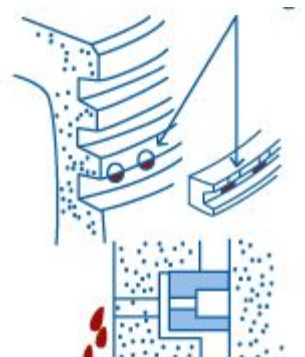
Oil Ring



Gas Sealing



Heat Transfer



Oil Control

PISTON RINGS

CHARACTERISTICS

Size Range

□ Ø upto 450 mm

Materials

- Grey Cast Iron
- Alloyed Cast Iron
- Spheroidal Cast Iron
- High Strength Steel

Coatings

- Perkerisation
- Hard Chrome
- Plasma Moly
- Tin Coating
- Copper Flash

PISTON RING TYPES

Plain Compression Rings

Scraper / Napier Rings

Torsional Twist Rings

Full / Half Keystone

Taper Faced (Periphery)

Step / Slant Cut Rings

Plain Compression Rings

Lock Type Rings

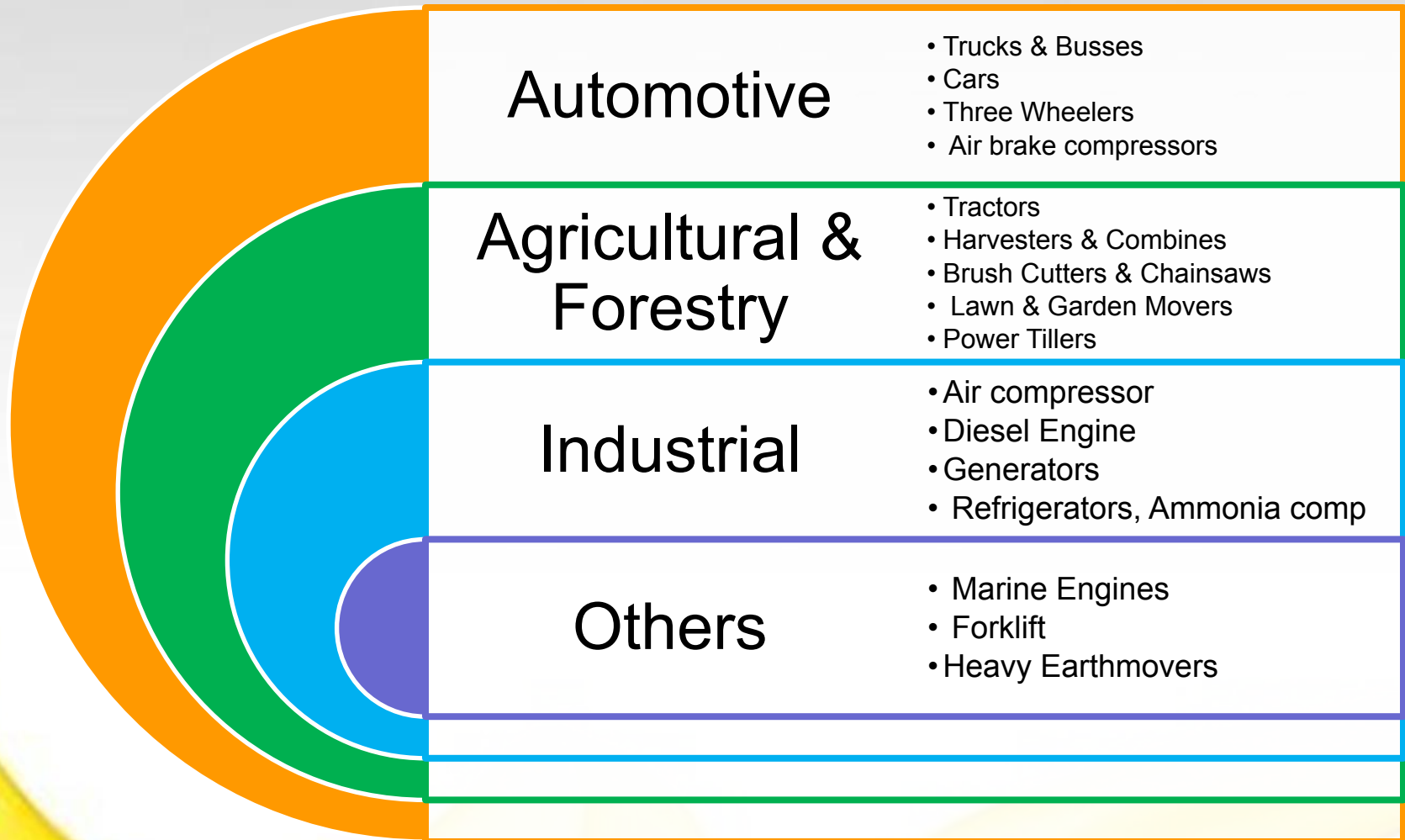
Spring Loaded Oil Rings

Slotted Oil Rings

3-Piece Oil Rings

Steel Oil Rings- Small Hole

APPLICATIONS



PRODUCT RANGE

Asian Range			
Bajaj	Honda	Komatsu	Subaru
Deawoo	Hyundai	Kubota	Suzuki
Daihatsu	Isuzu	Mahindra	Tata
Eicher	K. G. Khosla	Mazda	Toyota
Escorts	Kia	Mitsubishi	Yamaha
Hino	Kirloskar	Nissan	Yanmar

European/American Range			
Air Compressor	Fordson	Massey Ferguson	Seat
Alfa Romeo	Gardner	Mercedes Benz	Simca
Atlas Copco	Garrelli	Midland	Steyr
Audi	General Motors	Moskvitch	Sthil
Austin	Hillman	MWM	Talbot
Bedford	Hollman	New Holland	Tatra
Bendix	Ingersoll Rand	Opel	Ursus
BLMC/BMC	IHC	Perkins	UTB
BMW	Jaguar	Petter	Vauxhall
Case	John Deere	Volga	Vespa
Caterpillar	Kamaz	Wolsely	Villiers
Citroen	Knorr Bremse	Zetor	Volkswagon
Clayton	Lada	Peugeot	Volvo
Cummins	Lambretta	Peykan	Wabco
Daf	Lancia	Renault	Westinghouse
Daimler Chrysler	Land Rover	Robin	Willys
David Brown	Leyland	Rover	Wolga
Deutz	Lister	Ruston Hornsby	Wolsely
Fiat-Iveco	Lombardini	RVI	Zetor
Fiat	Lotus	Saab	
Ford	MAN	Scania	

INFRASTRUCTURE

MANUFACTURING

FOUNDRY

LATEST TECHNOLOGY

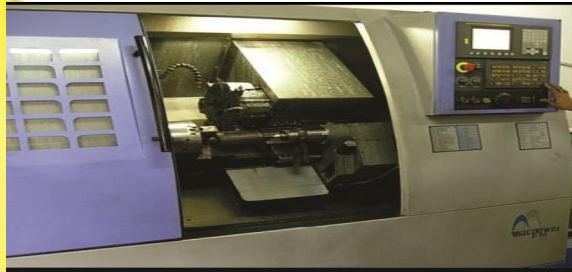
STATE OF ART MACHINE SHOPS

PLATING PLANTS

EXPERIENCED WORK FORCE

DEDICATED INSPECTION LAB

R & D BENCH



INFRASTRUCTURE

- Head Quarters in New Delhi
- 6 Manufacturing units in Haryana & U.P.
- Production capacity- 11 Million Rings yearly
- Dual Technology line- CAM and Conventional
- Complete In-house process

Casting

Machining

Coating



MACHINERY

- Casting Foundry
- Induction Melting Furnaces
- Double Came Turning Machines
- Duplex Grinders
- Honing Machines
- CNC Lathes
- Conventional Lathes
- Milling Machines
- SPM's
- Auto Gap Sizing Machines
- Laser Marking Machines
- And many more

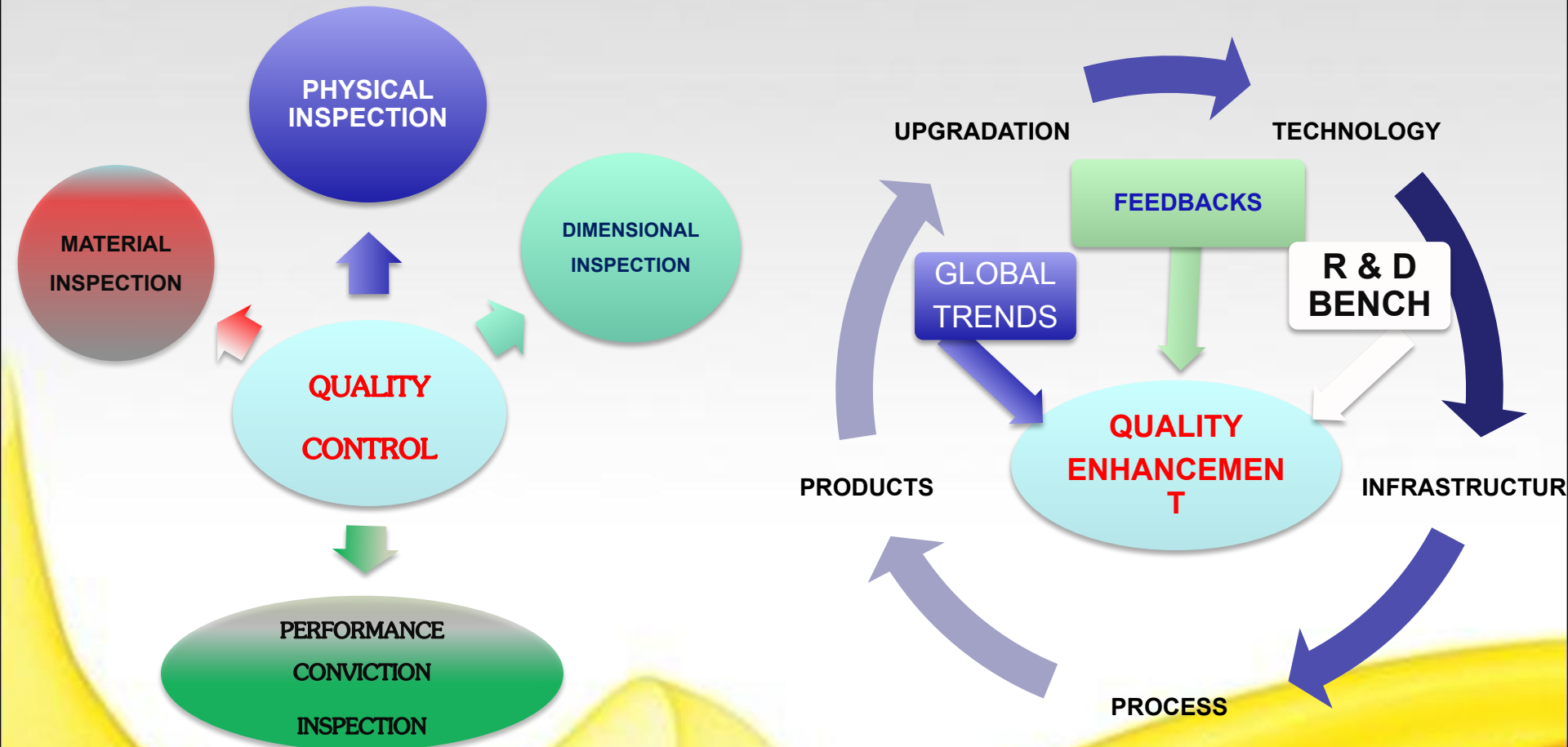


INSPECTION AND R & D

- Metallurgical Analysis- Spectro Lab
- Hardness testing
- Light Leakage test
- Flatness Test
- Axial Distortion test
- End Gap check
- Chrome plating thickness
- Profile checking- Profile Projector
- Inspection as per IS/ISO 6621-2: 2003



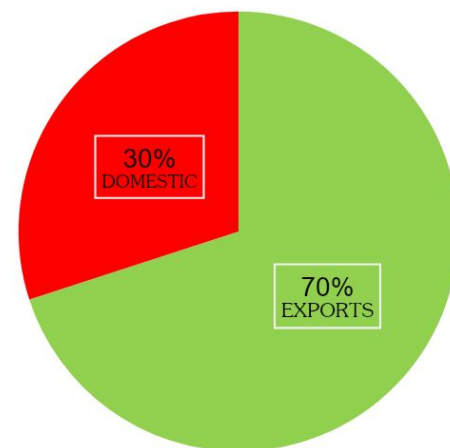
QUALITY ASSURANCE



Quality is a progressive journey, not the final destination. . .

OUR REACH

OUR REACH...

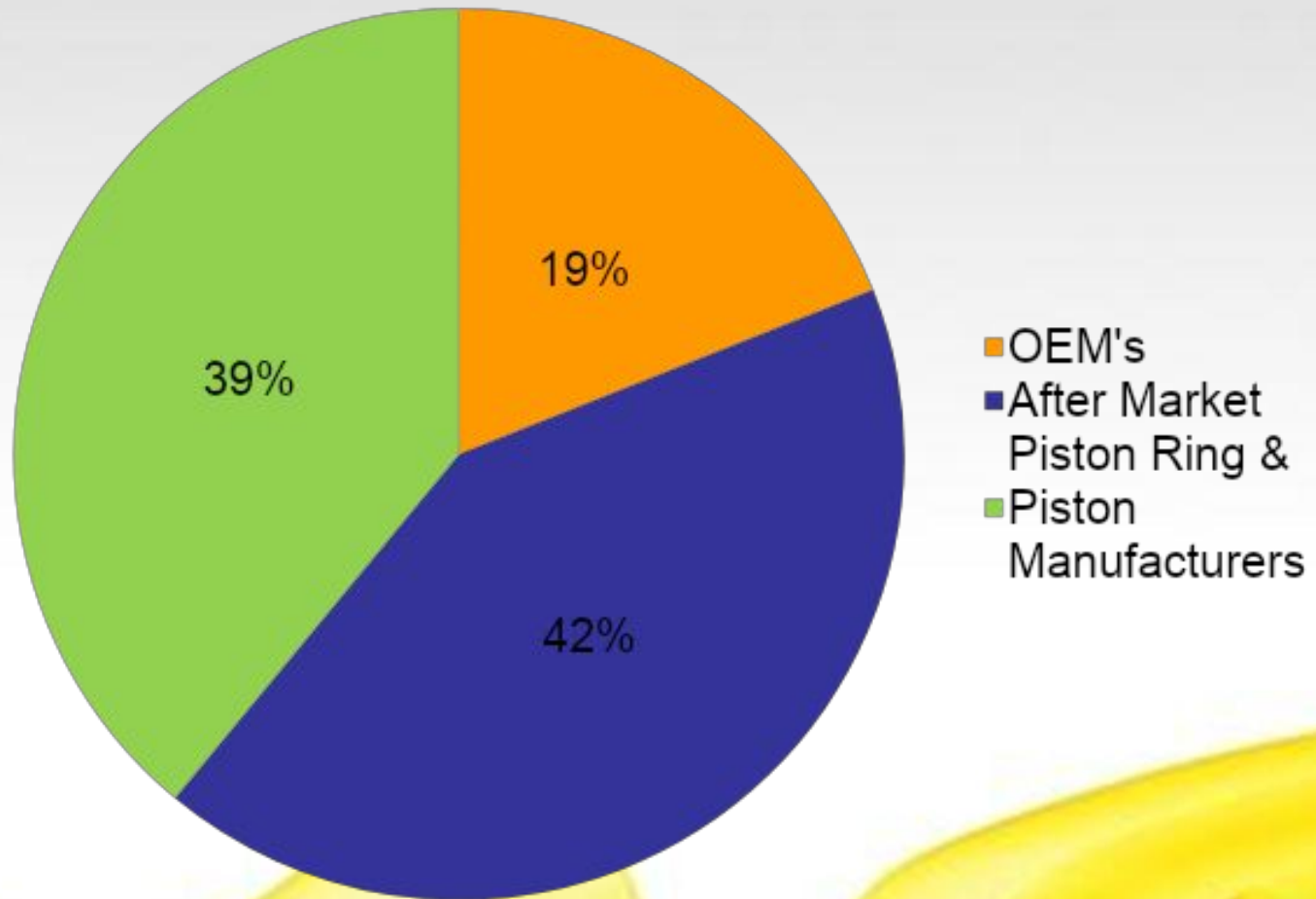


✓ **Exports to 32 Countries**

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KEY CUSTOMERS



OUR COMMITMENT



International Marketing

•Regular exhibitor at :

- AutoMechanika Frankfurt
- AAPEX, Las Vegas, US **automechanika**
- AutoMechanika, Delhi
- AutoExpo, Delhi
- Latin Auto Parts Expo
- Iran Auto Parts



ASSOCIATION MEMBERSHIP

- Engineering Export Promotion Council (EEPC)
- Automotive Component Manufacturers Association of India (ACMA)
- Confederation of Indian Industry (CII)
- Bahadurgarh Chamber of Commerce and Industries (BCCI)
- Automotive Parts Merchant Associations (APMA)



OTHER PRODUCTS MANUFACTURED

PISTON & PINS

LINERS, SLEEVES & CYLINDER BLOCKS

**BIMETALLIC BUSHES, ENGINE BEARINGS &
THRUST WASHERS**

PISTON



- Upto Diameter 250mm
- Aluminium Alloys
- Cast Iron
- Ni-resist Alfin
- Oil Cooler Gallery



LINERS, SLEEVES & CYLINDER BLOCKS

Up to Bore Size 230mm

Centrifugally Casted Graded

Cast Iron

Sand(gravity)casted Graded

Cast Iron

Shell Moulding For Cylinder Block

Plateau Honning



ENGINE BUSHES, BEARINGS & THRUST WASHERS

- Thickness Upto 4mm
- Diameter Upto 130mm
- Semi-finished, Prefinished, Full Finished
- Copper Lead
- Aluminum Tin
- White Metal
- Gun Metal
- Low Carbon Steel
- Transmission Bushes

Scott
BUSH • BEARING • THRUST WASHER



□ Contact us at:

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WE SUPPORT

MAKE IN INDIA

INITIATIVE



JAI

HIND



Together, We Shall Succeed.....

**Thank
You**