

PRECISION ENGINEERED

MOULD TO MACHING



CENTRIFUGALLY CAST

AUTOMOBILE LINERS & SLEEVES
REFRIGERATION ENGINE LINERS
HEAVY EARTHMOVER LINERS
SP. PURPOSE LINERS

www.santoshauto.com



SANTOSH
AUTO PARTS

PRECISION CRAFTED, PROUDLY INDIAN.

"Indian Precision for Powerful Engines."

SANTOSH AUTO PARTS

**FOURTH DECADE OF TREND SETTING
PERFORMANCE**

**MARKET PRESENCE ACROSS 21
COUNTRIES ALL OVER THE WORLD
INCLUDING EUROPE, ASIA PACIFIC
REGION, MIDDLE EAST, AUSTRALIA &
AFRICA**

**ALL LINERS ARE MADE OF CENTRIFUGAL
CASTING & SHELL CASTING WHICH
GIVES HOMOGENEOUS STRUCTURE AND
UNIFORM HARDNESS**

**FREE FROM CASTING DEFECTS LIKE
BLOW HOLES, POROSITY & CRACKS**

**HIGHLY QUALIFIED AND DEDICATED
WORKFORCE TO ACHIEVE ZERO DEFECT
COMPONENTS**

**QUICK AND IN-TIME DELIVERY DUE TO
IN-HOUSE HI-TECH MANUFACTURING
FACILITY**

**OEM SUPPLIER
ISO 9001:2008 CERTIFIED**

Cylinder Liners & Cylinder Sleeves

SANTOSH AUTO PARTS is an ISO 9001:2015 and IATF 16949 : 2016 certified company and is one of the leading manufacturer and exporter of Cylinder Liners, Sleeves and custom made casting parts as per the needs of automobile industries. With a highly experienced and technically qualified team of 350 plus employees, Santosh auto Parts produces highest quality products at the most competitive prices. The promoters have experience and expertise of 10+ years in manufacture and production of liners, sleeves, blocks and other automobile components.

We are located in best industrial area of Rajkot, in the state of Gujarat, India. Our main goal is to supply the best quality parts at competitive prices. We follow the best practices in the industry for all our manufacturing process which reflects in the products that we manufacture.



Committed to Excellence

Our highly qualified engineers work continuously to improve the product quality by in-house R&D activities and by tweaking the manufacturing processes from casting until packing. By following rigorous quality assurance process at each level of production, we strive to excel in all the manufacturing activities and thus be one of the best manufacturer and supplier of quality Cylinder Liners and Sleeves.

Infrastructure

FOUNDRY	Induction Melting Furnace Carbon Silicon Analyser Centrifugal Casting Machines
LATHE MACHINE	Lathe machines (5' to 9') All gear lathe machines Heavy duty lathe machines
CNC MACHINE	CNC turning center Vertical machining center – SPM CNC Lath Machine
BORING MACHINE	Vertical Boring Machine Portable Boring Machines
DRILL MACHINE	Pillar drilling machine CNC drill
GRINDING MACHINE	Centerless grinding machines Cylindrical grinding machines
HONING MACHINE	Automatic Honing machine – SPM Honing Machines – JAPAN make Derby Honing
MARKING MACHINE	Marking Machine with all accessory – Pneumatic Metal Marking machine – Itching type
INSPECTION INSTRUMENTS	Hardness Tester Micrometer, Vernier, Ring Gauge, Dial Gauge etc. Portable Surface Microscope Go-No Go Gauges





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Product Range

- Car : Compact, Mid-Size, Luxury, Saloon, SUV, MPV
- Truck : HCV, LCV, Pickup Van, Refrigeration On wheels Van, Utility Van
- Tractor : Heavy Duty, Light Duty, Multi Utility Tractors
- Earthmover Engines
- Marine Engines
- Air Compressor Engines
- Ammonia Compressor Engines
- Power Generator Engines

Production Parameters

Dimensional Range:

Inner Diameter: 40 to 250 mm Outer Diameter: 45 to 300 mm Length: Max 500 mm

Chemical Composition

LIMIT	C	Si	S	Mn	Ni	Cr	Mo	Cu	P
MIN	3.00	1.60	—	0.3	0.005	0.006	—	—	—
MAX	3.70	2.70	0.15	1.0	0.5	0.4	0.5	0.5	0.35

Dimension

PRODUCT	PARAMETERS		TOLERANCE
Finished centrifugally cast cylinder sleeves	Length		±0.2 mm
	I.D.	F.F.	-0.025 mm
		S.F.	±0.1 mm
	Outer Diameter		±0.025 mm
	Collar Diameter		±0.025 mm
	Collar Width		±0.05 mm (finished) ±0.1 mm (semi)

Hardness: 190–260 BHN

Tensile Strength: 22–25 Kgf/sqmm

Surface Roughness: 0.4 to 0.8 micron

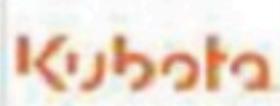
Micro Structure:

Graphite Type "A" & "B" ("D" & "E" random)

Flake Size: Max 4–8

Matrix: Free Ferrites max 5–6%

COVERAGE- Cylinder liners & Sleeves for

					DAIMLER				
									
									
									
									
									

SANTOSH AUTO PARTS

CENTRIFUGALLY CAST CYLINDER LINERS
& CYLINDER SLEEVES

A S RANGREJ
MANAGING DIRECTOR



SANTOSH
AUTO PARTS

PRECISION CRAFTED, PROUDLY INDIAN.

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