

COMPANY  
PROFILE



SINCE 1992

# CO-EFF FRICTION BANDS

ISO 9001:2015 Certified Company



- ❖ INDUSTRIAL FRICTION PRODUCTS
- ❖ BONDING & RIVETING

# THE INDUSTRY LEADER

We are pleased to introduce ourselves as one of the **leading manufacturers** of Brake and Clutch Liners, B. A. Roll Lining and Friction materials there of like Sheets, ID/OD Rings, Cones, Friction Rods, Segments, Gear Discs and all types of imported Presses blocks.

**Co-Eff Friction Bands** is a full line manufacturer of industrial Friction Materials for all kinds of Braking applications including molded brake lining, flat sheets and arced slabs and industrial brakes for a wide variety of both heavy duty and light duty industrial application.

**With over 20 years experience** in the friction material Industry, it is needless to mention here that CO-EFF Friction material carries good quality that too falls undermost competitive price range. Our valued customers like BHEL, HMT, BHARAT FORGE, TELCO, JBM, to name a few.



## WHY US???

This is the usual question arises when people are in search of good quality friction products. This is where we scores than others:

- ✓ We provide the custom made friction products to the customers.
- ✓ We offer relining services along with bonding & riveting.
- ✓ We are 24 x 7 available on customer demand.



## OUR MISSION

OUR MISSION IS TO  
CREATE AN INNOVATIVE  
MARKET OF HIGH QUALITY  
INDUSTRIAL FRICTION  
PRODUCTS, by taking the  
co-eff brand in world market  
through OUR ENGINEERING  
EXCELLENCE&continuously  
improving our manufacturing  
process.

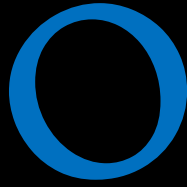


**THE WORLD OF  
CO-EFF IS NOTHING  
BUT  
CO : CONTINUOUS  
EFF : EFFICIENCY  
IN PRODUCTION,  
QUALITY & SERVICE.**



Are You Working  
Efficiently?





## OUR TRUSTED WORLD

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*To name a few of our respected and most loyal clients:*

- *Kalyani Group*
- *BHEL*
- *TATA Motors*
- *JBM Group*
- *Force Motors*

*Our Served Countries:*

- *India*
- *Russia*
- *Dubai*
- *Germany*
- *Sri Lanka*

# COMPOSITE FRICTION PRODUCTS



*We have various range of products, which includes different grades of material used for manufacturing the brake linings.*

*Mainly they categorized in:*

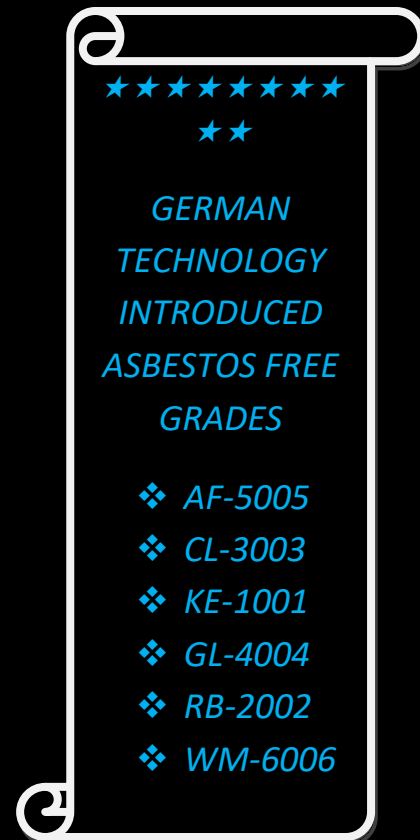
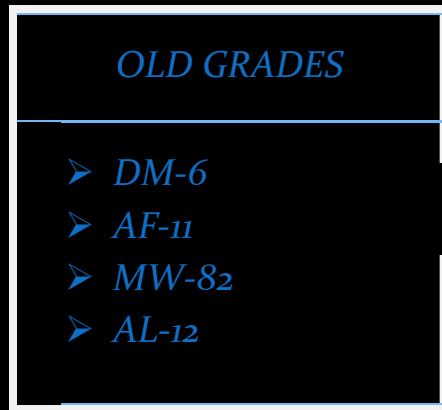
- ❖ *Asbestos Base*
- ❖ *Non-Asbestos Base*

- ❖ *We offer customized formulations/grades to the industry.*
- ❖ *We offer customized products for the customers.*

**With over 1000 MT capacity per annum**

# GRADES OF MATERIALS

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## **CO-EFFICIENT OF FRICTION:**

*A measure of the amount of resistance that a surface exerts on or substances moving over it, equal to the ratio between the maximal frictional force that the surface exerts & the force pushing the object toward the surface.*

*The coefficient of friction is not always the same for objects that are in motion or motionless. Motionless objects face more friction than moving ones.*

## Technical Information

CATEGORY	AF-5005	KE-1001	RB-2002	CL-3003	GL-4004	WM-6006
Coefficient of friction	0,40	0,33	0,45	0,37	0,15	0,60
(tensile)Cross breaking strength	5320 N/cm <sup>2</sup>	6500 N / cm <sup>2</sup>	5500 N/cm <sup>2</sup>	8500 N/cm <sup>2</sup>	6000 N/cm <sup>2</sup>	7500N/cm <sup>2</sup>
Compressive strength	15500N / cm <sup>2</sup>	16500 N/cm <sup>2</sup>	14500 N/cm <sup>2</sup>	19000 N/cm <sup>2</sup>	10000 N/cm <sup>2</sup>	21900N/cm <sup>2</sup>
Gliding Speed	40 m/s	30 m/s	40 m/s	40 m/s	50 m/s	40 m/s
Rivet Holding	1140 kg/ cm <sup>2</sup>	930 kg/ cm <sup>2</sup>	1460 kg/ cm <sup>2</sup>	1485 kg/ cm <sup>2</sup>	1180 kg/ cm <sup>2</sup>	N/A
Density	1.90g/cm <sup>3</sup>	2.0 g/cm <sup>3</sup>	2.55 g/cm <sup>3</sup>	1.90 g/cm <sup>3</sup>	2.20 g/cm <sup>3</sup>	3.66 g/cm <sup>3</sup>
Max temp (Continuous) (Short time)	250° c 300° c	350° c 600° c	350° c 600° c	350° c 500° c	350° c 450° c	400° c 700° c

CATEGORY	AF-11	DM-6(Asbestos)	MW-82(Asbestos)	AL-12
Coefficient of friction	0,423	0,454	0,340	0,469
Crossbreaking strength	4980 N/cm <sup>2</sup>	4730 N / cm <sup>2</sup>	3780 N/cm <sup>2</sup>	5775 N/cm <sup>2</sup>
Pressure strength	13959N/cm <sup>2</sup>	13306 N/cm <sup>2</sup>	12313 N/cm <sup>2</sup>	15932 N/cm <sup>2</sup>
Rivet Holding	1050 kg/ cm <sup>2</sup>	930 kg/ cm <sup>2</sup>	960 kg/ cm <sup>2</sup>	1125 kg/ cm <sup>2</sup>
Density	1.82 g/cm <sup>3</sup>	1.78 g/cm <sup>3</sup>	1.58 g/cm <sup>3</sup>	2.0 g/cm <sup>3</sup>
Max temp (Continuous) (Short time)	200° c 300° c	150° c 175° c	150° c 175° c	200° c 275° c

# WELL EQUIPPED PLANT



HYDRAULIC PRESS LINE



INDUSTRIAL GRINDERS



INDUSTRIAL MIXER



LATHE MACHINE





# I **NDUSTRIES CATERED**

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## **INDUSTRIES**

- *STEEL INDUSTRY*
- *CEMENT INDUSTRY*
- *HYDRO POWER PLANTS*
- *AUTOBODY MAKERS*
- *PACKAGING INDUSTRY*
- *PAPER MILLS*
- *FORGING INDUSTRY*
- *SHEET METAL INDUSTRY*
- *BEARING MANUFACTURER*
- *JACK ASSEMBLY MANUFACTURER*
- *FISH NET MANUFACTURER*
- *GASKET MANUFACTURER*
- *WIND ENERGY*

## **COMPATIBLE PRESS MACHINES**

- ✓ *HMT*
- ✓ *DANLY*
- ✓ *KURIMOTO*
- ✓ *ISGEC*
- ✓ *WEINGARTEN*
- ✓ *SMERAL*
- ✓ *GODREJ*
- ✓ *MAXI*
- ✓ *EMCO*
- ✓ *LMZ*
- ✓ *AJAX*
- ✓ *HASSENCLEVER*
- ✓ *KOMATSU*
- ✓ *STANCO*
- ✓ *SCHULER*
- ✓ *VERSON*
- ✓ *CLEARING*
- ✓ *ERFRUT*

# *FRICTION MATERIAL MANUFACTURING*

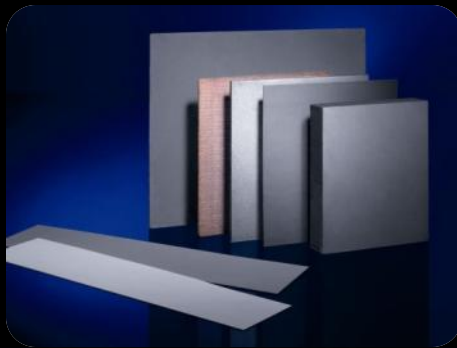
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Whatever may be your friction requirements, CO-EFF FRICTION BANDS will provide standard friction products, which are tailored to your friction needs. We have developed a complete range of composite asbestos free friction material to cater the needs of variety of industries.



Types:

- Flat Sheets : Flat sheets are stocked from 3mm to 78mm



- Gear teeth facing
- Custom Molded Parts



TAKE 7 STEPS OUT



# BONDING & RIVETING



❖ We use best qualities of adhesives, to ensure ultimate bonding strength along with riveting the liner plate, to endure the life of relining work.



❖ We strictly make use of Copper Rivets, which are best to the mating surface of a pressure plate.

❖ We offer 24 x 7 services.

❖ Total thickness is maintained as per customer requirements.



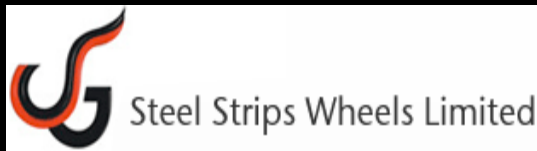
Glimpse of actual process.

# R&D™



- ❖ *We have developed friction products by continuous testing various types of powders & Fibers since 20 years.*
- ❖ *We believe this is a continuous process in a lifetime of the company.*
- ❖ *Linking technology products & market.*





SANGHVI MOVERS LTD.

Cranes On Hire • Fleet of Over 300 Crane  
Capacity 20MT - 800MT





❑ Our Group :

CO-EFF FRICTION BANDS (PROP)

SUNRAJ INDUSTRIES (PROP)

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Lane No.11 , Ramtekadi Industrial Area,  
Hadapasar ,Pune-411028

Office Tel No : 9423508930 / 31

❑ Contact Person:

Mr.Vinayak Joshi (Owner) :

91-9422322950

Mr.Sagar Joshi (R&D , GM):

91-9423001362

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, [sunrajind2017@gmail.com](mailto:sunrajind2017@gmail.com)

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