



"Precisely Shaping Elastomers since 1985."

WE MANUFACTURE SOLUTIONS NOT JUST THE PRODUCTS

PRODUCTS & SPECIFICATIONS FOR TYRE INDUSTRY

www.chemmechrubbers.com

About Us

Established in 1985,

CHem meCH Rubbers & Engineers

is located in the vibrant city of Nadiad Gujarat, India.

Our expertise spans various rubber types, including Natural, Nitrile, Neoprene, Hypalon, EPDM, Silicon, Viton, FKM, FFKM, and PU.

Our advantage lies in the fusion of Technical prowess with a state-of-the-art manufacturing facility, enabling us to meet the diverse needs of various industries and sectors.



Mr. Idris H. Shabbhai

the founder and CEO
of CHem meCH Rubbers & Engineers.

Active in the Industry for over 40+ years with an unwavering commitment to innovation and passion in Rubber Industry has steered **CHem meCH Rubber & Engineers** towards achieving new goals and inspiring the team to push boundaries, embrace challenges, and consistently deliver excellence.



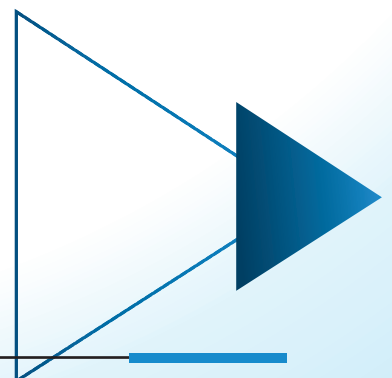
Mr. Sakib Shabbhai

Managing director
of CHem meCH Rubbers & Engineers.

Leading the company's strategic direction with a focus on innovation and product development in the rubber industry. With a deep understanding of both operational management and market trends, he is driving the next phase of growth through advanced product solutions and a forward-thinking approach.

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Our Vision & Mission



VISION STATEMENT

We will be recognized and respected as the “go-to” company for any customer who values quality products and excellent service at a fair price.

MISSION STATEMENT

To manufacture rubber components which will lead on aspects of rubber technology with a focus on overriding customer expectation and creating products that are valued by the world.

OUR CORE COMPANY VALUES

- Customer Satisfaction
- On-Time Delivery
- Consistently high quality
- Teamwork through empowerment
- Health, safety and environment is a way of life
- Sustainability – business, environment and work-life balance



ISO 9001 : 2015



ISO 14001 : 2015

Our Services



Tyre Industries



Aerospace



Marine



Petro Chemicals



Railways



Refineries



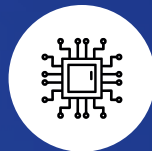
Pharmaceuticals



Fertilizer



Industrial Manufacturing



Electronics & Electrical



Food & Beverage



Textile & Apparel



Construction & Building



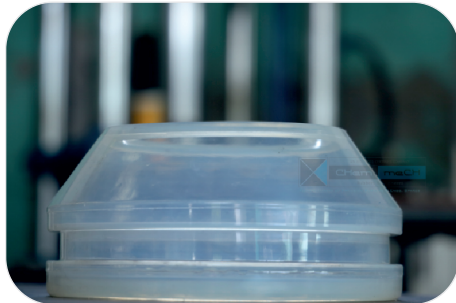
**Agriculture
& Farm Equipment**



Consumer Goods

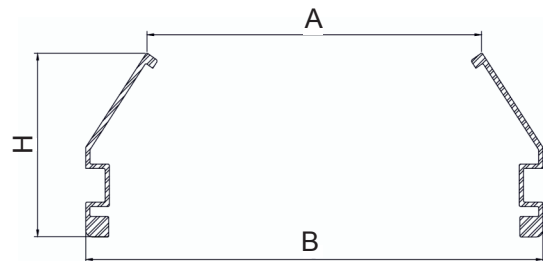
Products List For Tyre Industries

SHAPING HEAD SLEEVE TYPE D FOR TBM PCR



Benefits

- :: Excellent mechanical properties
- :: Premium Grade Silicone material
- :: High Performance
- :: Longer Life cycle and cost-effective
- :: Perfect fitment

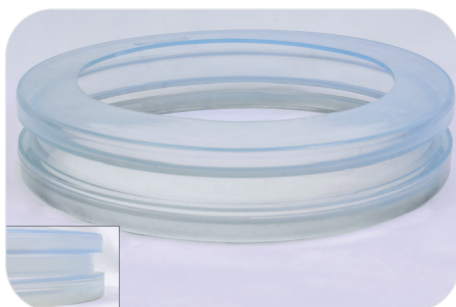


SIZE	A	B	H
12"	200	260	124
13"	195	280	134
14"	220	300	130
15"	245	335	140

A , B and H are in mm.

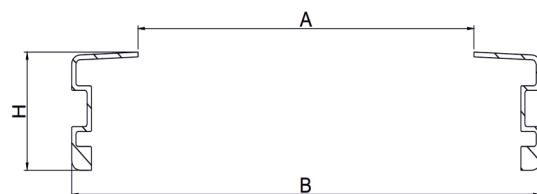
*WE SUPPLY CUSTOMIZED SLEEVES AS PER CUSTOMER DRUM DESIGN & REQUIREMENT.

SHAPING HEAD SLEEVE TYPE B FOR TBM PCR



Benefits

- :: Excellent mechanical properties
- :: Premium Grade Silicone material
- :: High Performance
- :: Longer Life cycle and cost-effective
- :: Perfect fitment

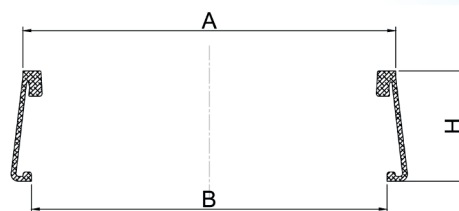


SIZE	A	B	H
14"	230	310	73
15"	243	336	73
16"	258	360	73
17"	288	386	73
18"	318	416	73

A , B and H are in mm.

*WE SUPPLY CUSTOMIZED SLEEVES AS PER CUSTOMER DRUM DESIGN & REQUIREMENT.

MEDIUM BEAD LOCK BLADDER FOR TBM PCR



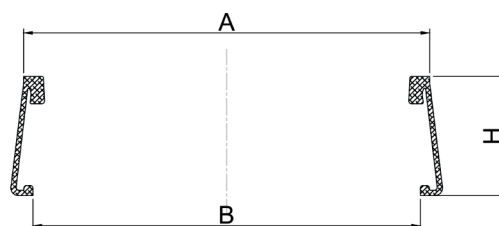
Benefits

- :: Easy and Super elastic to install.
- :: Premium Grade Silicon material.
- :: High Performance.
- :: Longer Life cycle
- :: Cost-effective.
- :: Perfect fitment.
- :: Good Aesthetic look.
- :: Very High Shelf Life.

SIZE	A	B	H
14"	305	320	104
15"	323	332	104
16"	340	341	104
17"	368	375	104
18"	390	405	104
19"	417	395	104
20"	444	420	104

A , B and H are in mm.

WIDER BEAD LOCK BLADDER FOR TBM PCR



Benefits

- :: Easy and Super elastic to install.
- :: Premium Grade Silicon material.
- :: High Performance.
- :: Longer Life cycle
- :: Cost-effective.
- :: Perfect fitment.
- :: Good Aesthetic look.
- :: Very High Shelf Life.

SIZE	A	B	H
16"	343	318	108
17"	368	350	108
18"	390	365	108
19"	400	388	108
20"	416	416	108
21"	466	448	108
22"	472	454	108

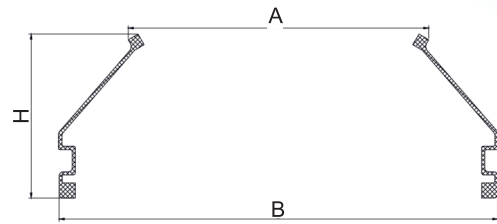
A , B and H are in mm.

SHAPING HEAD SLEEVE DUAL TYPE FOR TBM PCR



Benefits

- :: Excellent mechanical properties
- :: Premium Grade Silicone material
- :: High Performance
- :: Longer Life cycle and cost-effective
- :: Perfect fitment



SIZE	A	B	H
15-16"	242	334	165
16-17"	265	360	165
17-18"	295	388	165
18"	311	400	165

A, B and H are in mm.

*WE SUPPLY CUSTOMIZED SLEEVES AS PER CUSTOMER DRUM DESIGN & REQUIREMENT.

REGULAR BEAD LOCK BLADDER FOR TBM PCR



Benefits

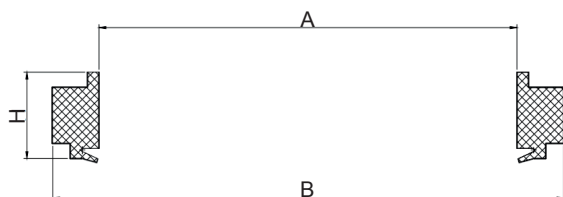
- :: Excellent mechanical properties
- :: Premium Grade Silicone material
- :: High Performance
- :: Longer Life cycle and cost-effective
- :: Perfect fitment



SIZE	A	B	H
14"	308	305	116
15"	330	328	116
16"	353	350	116
17"	380	372	116

A, B and H are in mm.

BOOSTER PAD BEAD CLAMP FOR TBM LTR



SIZE	A	B	H
15"	290	390	60
16"	314	380	60

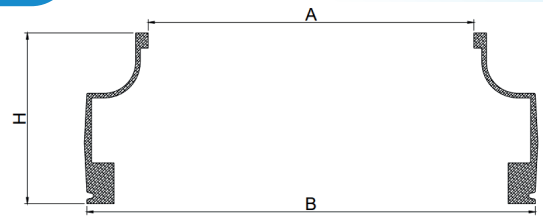
A, B and H are in mm.

SPECIAL PURPOSE PU BLADDER



Benefits

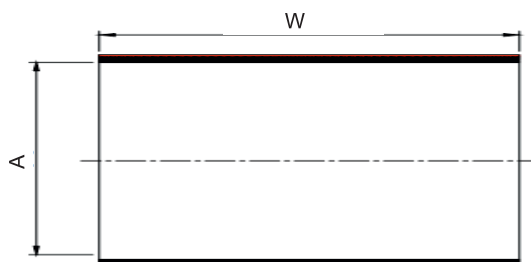
- :: Durability
- :: Weather Resistance
- :: High Performance
- :: Longer Life cycle
- :: Shock Absorption
- :: Cost Effective
- :: Perfect fitment
- :: Good Aesthetic look



SIZE	A	B	H
17"	260	362	135
18"	309	408	135
19"	358	444	135
20"	408	511	135
21"	455	552	135
22"	502	595	135

A , B and H are in mm.

CARCASS DRUM SLEEVES FOR TBM PCR/MCR



SIZE	A	W
12"	260	470
13"	285	470
14"	310	470
15"	330	470
16"	360	470

MCR

17"	380	470
18"	400	470
19"	430	470

A , W are in mm.

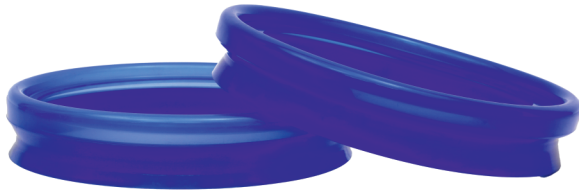
Note : Width can be customized as required.

TURN UP BLADDERS FOR TBM PCR



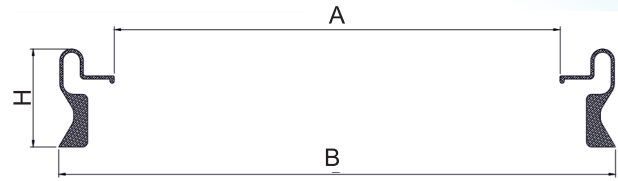
Range: 14" to 16"

BEAD CUP BLADDERS FOR TBM TBR



Benefits

- :: Easy and Super elastic to install.
- :: Premium Grade Silicon material.
- :: High Performance.
- :: Longer Life cycle
- :: Cost-effective.
- :: Perfect fitment.
- :: Good Aesthetic look.
- :: Very High Shelf Life.



SIZE	A	B	H
19.5"	355	415	88
20"	370	437	88
22.5"	373	480	88
22.5"	417	480	88
24"	440	530	88
24.5"	455	554	88

A , B and H are in mm.

BEAD CUP TST BLADDER FOR TBM TBR



Benefits

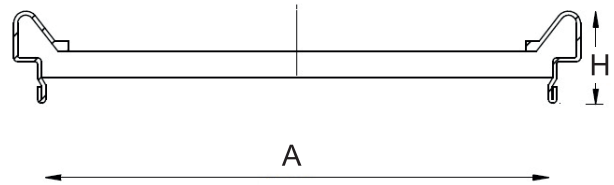
- :: Easy and Super elastic to install.
- :: Premium Grade Silicon material.
- :: High Performance.
- :: Longer Life cycle
- :: Cost-effective.
- :: Perfect fitment.
- :: Good Aesthetic look.
- :: Very High Shelf Life.



SIZE	A	B	H
17.5"	316	375	114
19.5"	347	406	109
20"	378	430	105
22.5"	436	489	105
24.5"	496	557	100

A , B and H are in mm.

COLLAR BLADDERS FOR TBM TBR



SIZE	A	H
16"	365	80
17.5"	395	50
19.5"/20"	465	80
22.5"	485	84
24"	535	80
24.5"	557	86

A and H are in mm.

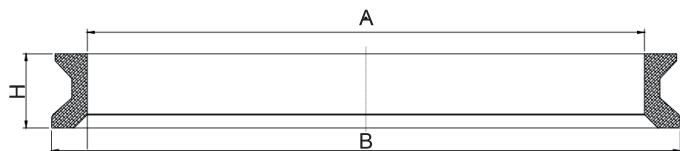
Benefits

- :: Excellent Elasticity & Resillience
- :: Superior Tensile & Tear Strenght
- :: High Performance
- :: Longer Life cycle
- :: High Abrasion Resistance
- :: Cost Effective
- :: Perfect Fitment

COLLAR RING FOR TBM TBR



SILICON



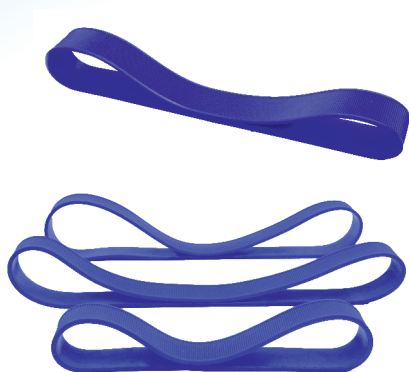
SIZE	A	B	H
16"	294	344	53
17.5"	315	372	53
19.5"	340	394	53
20"	400	450	53
24.5"	460	515	53

A , B and H are in mm.



Fabric Coated Collar Ring with Reinforcement.

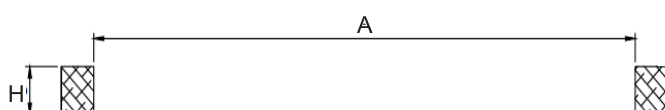
SILICON BANDS FOR TBM BIAS



The Serrated Surface Profile Silicone Band is specially designed for Tire Building Machines (TBMs), offering enhanced grip and flexibility during the transfer, alignment, and wrapping of rubber components such as inner liners and plies. Its unique profile increases surface contact and holding power without damaging the rubber.

RANGE 8" TO 19"

RETRACTING RUBBER BANDS FOR TBM MCR/PCR/TBR



Benefits

- :: High Elasticity
- :: Superior Tensile Strength
- :: Good Abrasion & Tear Resistance
- :: Durability
- :: High Performance
- :: Longer Life cycle
- :: Cost Effective
- :: Perfect fitment

PCR

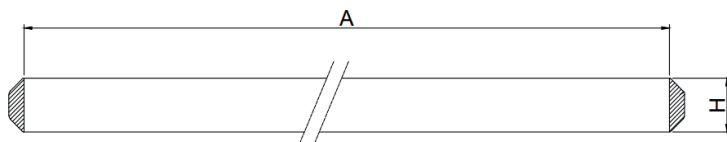
SIZE	A	H
12"	200	25
13"	235	25
14-15"	250	25
16"	290	25
17"	320	25
18"	330	25
19"	385	25
20"	410	25

TBR

16"	310	15
17.5"	330	15
CUS.A	285	15
CUS.B	415	15
CUS.C	340	15
20"	375	15
22.5"	425	15
24"	480	15

A and H are in mm.

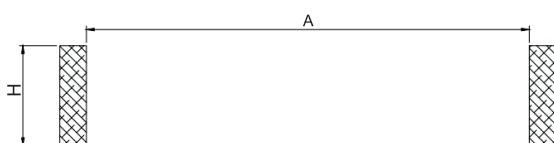
CONSTRUCTION RUBBER BAND FOR TBM OTR



A	H
2340	85
1865	72
1585	65
1550	85
1520	56
1290	65
1160	53
920	50

A, H in mm.

CARCASS RUBBER BANDS FOR TBM PCR/MCR



SIZE	A	H
12"	175	45
13"	200	45
14"	215	45
15"	240	45
16"	275	45
17"	280	45
17-18"	290	45
18"	300	45
19"	335	45
20"	360	45
CUS.	415	40

A and H are in mm.

BEAD APEX BLADDERS

Range: 17.5" TO 24"



BOTTOM STITCHERS MCR,PCR,BIAS & TBR



Types

- :: Side Wall Stitcher
- :: Carcass Stitcher

Benefits

- :: High abrasion withstanding material
- :: Uniformity
- :: Excellent Metal to Rubber bonding.
- :: Excellent Performance and Life.

AIR SPRING BELLOWS

Our Air Spring Bellows are specifically engineered for tire building machines, offering precise motion control, consistent pressure distribution, and reliable performance in demanding industrial environments. Built with high-strength elastomer and reinforced fabric layers, these bellows ensure long service life, reduced machine downtime, and optimal tire quality during the building process.



SUCTION PAD FOR BALE LIFTING

(MIXING DEPARTMENT)

This Pad is used for Vacuum Bale lifting machine at Mixing Department. Our Material is Excellent at performing of Vacuum and withstands load holding capacity also serves longer life.



SUCTION CUP & VACUUM CUPS

Our Small Vacuum Cups are engineered for precise, gentle, and reliable handling of rubber components in tire manufacturing processes. Designed to perform in fast-paced, automated environments, these cups ensure accurate pick-and-place operations without damaging sensitive or tacky rubber surfaces.



RUBBERISED ROLLERS

Are essential for folding and rolling tire components such as plies, fabrics, or belts in tire production processes. Designed for high precision and uniform pressure application, these rollers ensure proper alignment and tension during the doubling process.

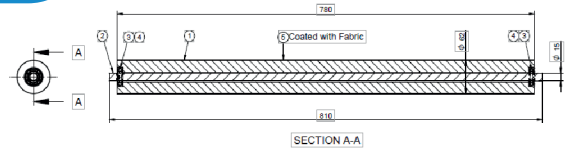


TOP ROLLER / PRESSURE ROLLER with Fabric Layer On Top

This is a unique roller where rubber sponge coating is done to get pressure to remove air voids and traps from overlapping rubber layers on Tires at Tire building Machine(TBM).

Its resulted hardness is 45-50 degree shore A from the fabric surface but while working under pressure it acts like 23-30 degree shore A.

We can develop up to a diameter of 500 mm and length of 1500 mm as per customer requirement.



TOP ROLLER / PRESSURE ROLLER with Silicon Slotted Bushes

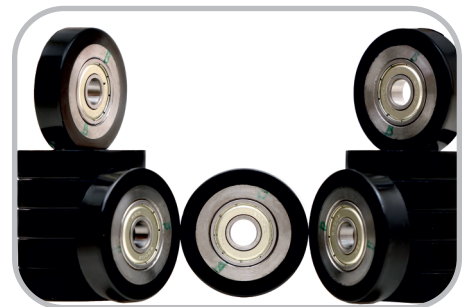
This works the same as Rubberised sponge roller but this is an advanced design and material. Here silicon rubber moulded bushing is designed to obtain a sponge-like effect though they are solid.

Material is non-sticky and gives excellent life. These Bushes are fitted on the square pipe. Additional to the above you can change the bushings easily and replace them rather than changing the whole roller.



STU FINGER ROLLER FOR TBM TBR

The Spring Turn-Up Finger Roller is a precision-engineered tool used in tire building machines for pressing and smoothing rubber layers—such as plies, inner liners, or treads—onto the building drum. Its flexible rubber or polymer "fingers" conform to surface variations, ensuring complete air removal and uniform adhesion without damaging the rubber. Designed for continuous use in automated TBM systems, it improves process efficiency and final tire quality.



CASSETTE BRAKE ROLLER

Cassette Rollers are vital components in braking cassette systems used in the tire manufacturing process, particularly during material unwinding or tension control. These rollers help regulate the movement of rubber sheets, textiles, or steel belts by providing smooth, consistent braking force. Built with high-precision bearings and coated surfaces, they ensure controlled deceleration without slippage or material damage.



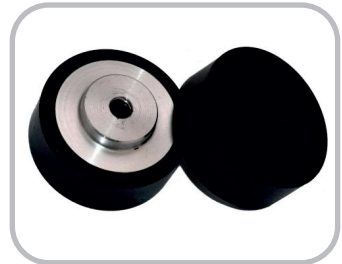
CONSOLIDATION ROLLER FOR IL & SW

IL (Inner Liner) and SW (Sidewall) Consolidation Rollers are specialized components used in tire building machines to press rubber layers firmly onto the building drum or carcass. These rollers ensure uniform adhesion and eliminate air entrapment, playing a crucial role in the structural integrity and surface quality of the tire.



PA DOUBLING ROLLERS

Are essential for folding and rolling tire components such as plies, fabrics, or belts in tire production processes. Designed for high precision and uniform pressure application, these rollers ensure proper alignment and tension during the doubling process.



PVA WATER ABSORPTION ROLLER

Our PVA Water Absorption Rollers are expertly designed for industries requiring high-efficiency drying, cleaning, and moisture control specially for tread extrusion. Made from high-grade, open-cell PVA sponge material, these rollers offer outstanding water absorption capacity while maintaining a soft, flexible structure that is gentle on sensitive surfaces. PVA rollers are engineered for repeated use in high-demand environments, offering consistent performance with minimal wear. Their unique porous structure allows for rapid absorption and release of fluids, making them ideal for precision applications where cleanliness and moisture control are critical.



CARBON DOSING BELLOWS

Our Carbon Dosing Bellows are specifically designed for the controlled transfer of carbon black and other powdered materials in the mixing section of tire manufacturing plants. Built to handle abrasive materials while minimizing dust leakage, these flexible bellows ensure safe, efficient dosing into mixers, weigh hoppers, and conveyors. Their rugged construction resists wear from fine particles while maintaining flexibility and airtight performance.



SEAL KITS

Any Standard and Customized seal kit can be manufactured which can give equivalent or long life performance to any OEM KITS.



TYRE CURING BLADDERS



Toroidal



Semi Toroidal



Barrel

SEGMENTS

:: 2/3 Wheeler: 8" to 19"

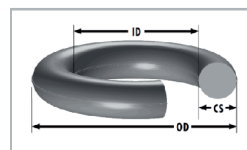
:: Passenger/LCV- Radial & Bias: 12" – 19"

:: Truck/Bus- Radial & Bias: 19.5"-24"

:: OTR: Specified

CURING O-RINGS

We manufacture "O" rings for the curing department and also various maintenance areas. We design special formulas as per the requirement and the application to withstand the high temperature to give high performance.



TUBE SPLICING JAWS / END BLOCKS



Tube Splicing Jaws are critical components used in the tube manufacturing industry to ensure accurate, high-strength joints during the splicing of extruded tubes. Designed to apply uniform pressure, these jaws deliver consistent, wrinkle-free splices that enhance quality. Made from high-metal-rubber bonding for wear resistance, they maintain dimensional accuracy even under high-cycle operations.

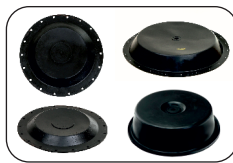
General Products List



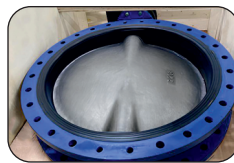
BUSHES



METAL/SILENT
BUSHES



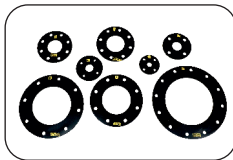
RUBBER
DIAPHRAGMS



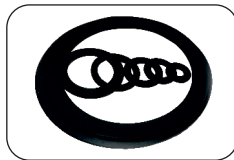
BUTTERFLY
VALVE SEATS



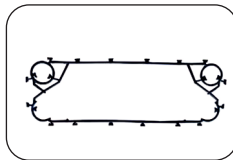
GROMMETS



GASKETS



METAL INSERTED
GASKET



PHE HEAT EXCHANGE
GASKET



BREAK
PAD



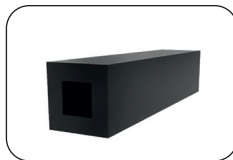
RUBBER PADS FOR
WAGON TRIPPLER



RAIL PADS



SCREENING
BALLS



FENDER : D TYPE,
CYLINDRICAL
TYPE & SQUARE TYPE



RUBBER RINGS



IDLER ROLLER



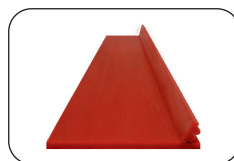
RUBBER ROLLERS



PTFE SEALS &
COMPONENTS



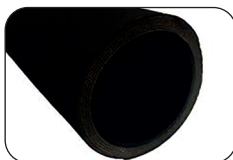
ELEMENT
PACKERS



SKIRT BELT
RUBBER



CYCLONE
CONES



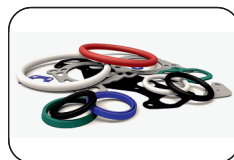
SPECIAL APPLICATION
HOSE



RUBBER BELLOWS



'O' RINGS



OIL SEALS



RUBBER CORDS



RUBBER EXTENDED
CHANNELS,
SECTIONS & TUBES



WASHERS



SEAL KITS



RUBBER SHEETS



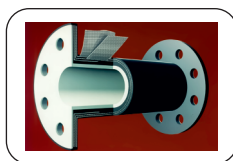
INSULATION
RUBBER SHEET



RUBBER BOBBIN
MOUNTS



DUST COVERS



PINCH VALVE
SEATS

Our Valuable Clients

We will be recognized and respected as the “go-to” company for any customer who values quality products and excellent service at a fair price.



Why choose us?

- We can meet your customise requirement for designing of product and compound as per application to fulfil your desire expectation.
- Product imported till yesterday, now produced and supplied indigenously.
- Cost effective and staggered delivery model.
- We precisely and strictly develop our products with unparalleled precision and quality.
- We have 150+ formulation for different product Specification.
- We deliver excellence with every product, ensuring precision, quality, and sustainability from start to finish.
- We consistently provide on-time delivery with exceptional quality.

OUR GLOBAL REACH



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