

Driving to the Future



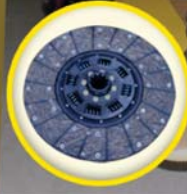
Product Catalogue : CLUTCHES & FLYWHEEL ASSY

MACAS Automotive Shoots for excellence. When you strive for excellence in everything you do, you're going to put yourself in contention to be one of the best at what you do.

Disclaimer :
Brand mentioned is for reference only.

First class performance

Macas Automotive specialize in Friction material and clutches for LCV, HCV & Commercial Vehicles. Our clutch disc's and Button disc's are exceptional and everlasting. While Diaphragm & Conventional cover assy's are known for its smashing atonement.



ABOUT US

MACAS Automotive, a well known ITAF 16949 certified company in India, manufacturing CLUTCHES & FRICTION MATERIAL, having wide Range of automotive components for various auto applications. MACAS has been in to the Business of automotive components for more than two decades. During this period marked by major technological innovations & up gradation, MACAS has acquired deep expertise and know- how to manufacture world-class Auto components.

MACAS, a largest importer of Ceramic Buttons from world's # 1 manufacturer " MIBA Frictec " Austria, suitable for TATA, Ashok Leyland, AMW, Diagonal GB75 & tractor's button disc application.

MACAS , a world class CLUTCH manufacturer from dia 155 to 430 i.e. Clutch Disc, Button Disc, Diaphragm Cover Assy, Conventional Cover Assy, Lever KIT's, Spring KIT's, Pressure Plates, Fly wheel assy & Ring Gears.

MACAS philosophy is to continuous modernization and up gradation of skills, processes and machinery, with our vast production capacity, Computer Aided Design, low cost manufacturing systems and in – house tools making capabilities, make us capable to provide World Class Quality Product at very competitive prices.

MACAS, is committed to provide total customer satisfaction by anticipating customer needs and presenting Quality Parts & Services at the right time and at the right price. The customer and his ever changing need is our continuous source of inspiration.

MACAS, is supplying Clutches & Friction material to many government undertaking units like BEML Limited, The BEST Mumbai, HVF Avadi, tier 2 suppler to OEM supplier company and exporting to countries like Bangladesh, Sri Lanka & South Africa.

MACAS, Clutches are approved from CIRT Pune, holding TRC for supplying Clutches to All India State Road Transport Undertakings.

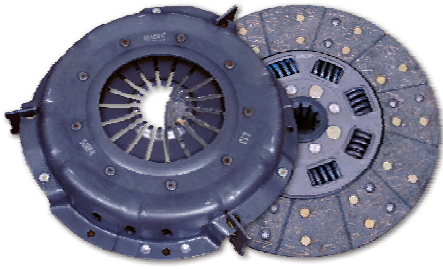
MACAS, Products are available all across India thru a vast Distribution Network of more than 250 Distributors, supported by 25+ Sales Professionals located at different parts of country.

OUR MISSION & VISION

ENLIGHTENED VISION

- To be dominant in Clutch manufacturing, Brake Lining and Ceramic Buttons.
- To establish 'MACAS brand' as No. 1 and to capture highest share of after-market as well as World.
- MACAS, to become a leader in auto industry, building trust, pride and confidence with customers and employees through continuous improvement.

280 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Small commercial vehicle upto 1.6T
- Engine Torque – 325 Nm
- City & short haul
- Goods and passenger vehicles

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Diaphragm spring design.
- Chrome Vanadium spring steel Diaphragm Springs duty hardened & tempered, tips induction hardened for more area resistance & shot peened for better endurance

Disc Assembly

- Cushioned organic disc.
- High Torque Capacity disc.
- Additional reinforcement making the core extra sturdier than any others make.
- Long damper disc.

- Drive Hub made of high quality carbon Manganese toughened steel to absorb any shock load.
- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

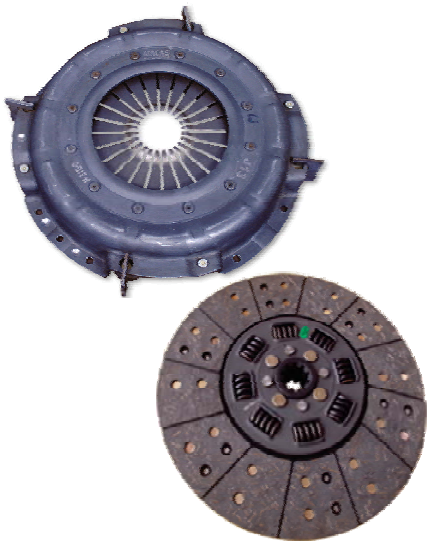
Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- 25% Higher Diaphragm Life.
- Increased thermal capacity.
- Air Holes provided for better heat dissipation.
- Lower initial clutch release load.

Disc Assembly

- Superior noise and vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear
- Extra smooth engagement

310 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Tonnage - 10T to 16T
- Engine Torque – 400 Nm to 430 Nm
- City & short haul
- Goods and passenger

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Diaphragm spring design.
- Chrome Vanadium spring steel Diaphragm Springs additional reinforcement making the core extra sturdier than any others make

Disc Assembly

- Cushioned organic disc.
- High Torque Capacity disc.
- Study core more thickness of reinforcing disc than other manufacturers.
- Lower stiffness of damper spring.

- Drive Hub made of high quality carbon Manganese toughened steel to absorb any shock load.
- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

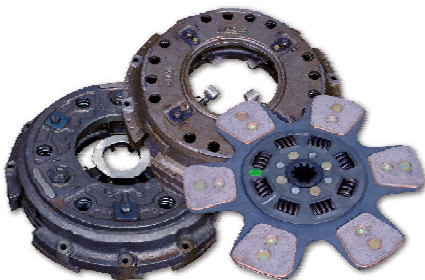
Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- 25% Higher Diaphragm Life.
- Increased thermal capacity.
- Air Holes provided for better heat dissipation.
- Lower initial clutch release load.

Disc Assembly

- Superior noise and vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear

330 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Vehicles up to 16 tonnes
- Engines Torque upto 450 NM
- Goods – Long haul, Tippers, Short haul & Trailer applications
- Passenger – Inter City & Intra City applications

PRODUCT FEATURES

Cover Assembly

- Cast Cover
- Direct pressure coil spring design.
- Easy to install.
- Needle roller bearing to ensures smooth working of clutch.

Disc Assembly

- Ceramic and Cushioned Disc options.

- Use of collector ring ensures flat surface for release bearing.
- Study core more thickness of reinforcing disc than other manufacturers make.

PRODUCT ADVANTAGES

Cover Assembly

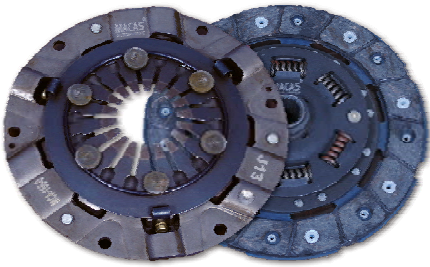
- Low reciprocating weight results in less fuel Consumption.
- Adjustment free clutch.
- Thicker Pressure Plate for Improved Heat Sink and longer life.
- Easy Serviceability & maintainability.

Disc Assembly

- Smooth engagement and easy take off.
- Higher wear depth in Ceramic buttons contribute to longer life.

How MACAS Clutches are superior than others

160 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Engine Torque – 69 Nm
- City & short haul
- Utility vehicle

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Diaphragm spring design.
- Chrome Vanadium spring steel Diaphragm Springs duty hardened & tempered , tips induction hardened for more area resistance & shoot peened for better endurance

Disc Assembly

- Cushioned organic disc.
- Long Travel damper design.
- Longer damper disc for smoother operation.
- Drive Hub made of high quality.
- Carbon manganese steel duty.

Toughened to absorb any shock load.

- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

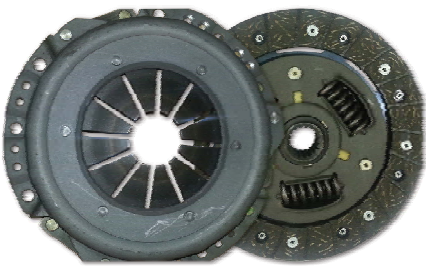
Cover Assembly

- Easy engagement & smooth vehicle take off.
- Low rattle noise.
- 25% Higher Diaphragm Life.
- Increased thermal capacity.
- Air Holes provided for better heat dissipation.

Disc Assembly

- Superior noise & vibration dampening = Longer gear box life.
- Less no. of moving parts = Low wear and less maintenance

170 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Small commercial vehicle upto 1.6T
- Engine Torque – 49 Nm 50
- City & short haul
- Utility vehicles

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Diaphragm spring design.
- Chrome Vanadium spring steel Diaphragm Springs with shot peening used for the high fatigue life of fingers

Disc Assembly

- Cushioned organic disc.
- Long Travel damper design.
- Longer damper disc for smoother operation

Drive Hub made of high quality carbon Manganese toughened steel to absorb any shock load.

- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

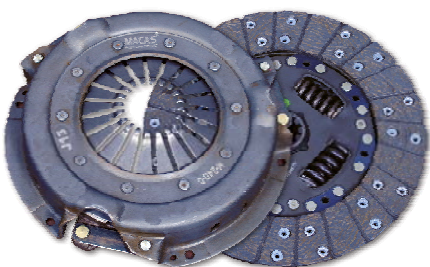
Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- 25% Higher Diaphragm Life.
- Increased thermal capacity.
- Air Holes provided for better heat dissipation.

Disc Assembly

- Superior noise & vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear
- Less no. maintenance

240 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Small commercial vehicle upto 1.6T
- Engine Torque – 49 Nm
- City & short haul
- Light commercial vehicles

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Diaphragm spring design.
- Chrome Vanadium spring steel Diaphragm Springs with shot peening used for the high fatigue life of fingers

Disc Assembly

- Cushioned organic disc.
- Two Stage disc - High Torque Capacity.
- Long Travel damper design.
- Lower stiffness of damper spring.
- Drive Hub made of high quality carbon

Manganese steel toughened to absorb any shock load.

- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- 25% Higher Diaphragm Life.
- Increased thermal capacity.
- Air Holes provided for better heat dissipation.

Disc Assembly

- Superior noise and vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear

352 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Engine Torque – 500 Nm to 650 Nm
- Tonnage – 25T to 40T
- Goods – Long haul, Tippers, Short haul & trailer applications
- Passenger – Inter City & Intra City applications

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Direct pressure coil spring design.
- Variants in clamp force.
- Easy to install.
- Needle roller bearing for friction free movement

Disc Assembly

- Option for Ceramic, Cushion ceramic and Cushioned organic discs.
- Spring location with respect to ceramic buttons modified to allow extra usage of flywheel surface by maximum no. of cuts in reconditioning

- Induction hardening provided at specific area to minimize wear.

PRODUCT ADVANTAGES

Cover Assembly

- Lesser weight and lower moment of inertia.
- Easy Serviceability & maintainability.
- Low cost for repair.
- Higher thermal capacity.

Disc Assembly

Cushion Ceramic

- Smooth engagement, Smooth vehicle take off.
- High abuse and temp withstanding capacity For severe applications.

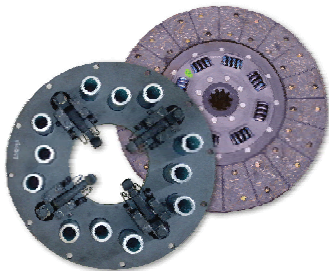
Rigid Ceramic disc

- High abuse and temp withstanding capacity for severe applications.

Cushioned Organic

- Smooth engagement, Smooth vehicle take off.

353 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Engine Torque – 500 Nm to 650 Nm
- Tonnage – 25T to 40T
- Goods – Long haul, Tippers, Short haul & trailer applications
- Passenger – Inter City & Intra City applications

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.
- Direct pressure coil spring design.
- Variants in clamp force.
- Easy to install.
- Needle roller bearing for friction free movement

Disc Assembly

- Option for Ceramic, Cushion ceramic and Cushioned organic discs.

- Spring location with respect to ceramic buttons modified to allow extra usage of flywheel surface by maximum no. of cuts in recondition in
- Induction hardening provided at specific area to minimize wear.

PRODUCT ADVANTAGES

Cover Assembly

- Lesser weight and lower moment of inertia.
- Easy Serviceability & maintainability.
- Low cost for repair.
- Higher thermal capacity.

Disc Assembly

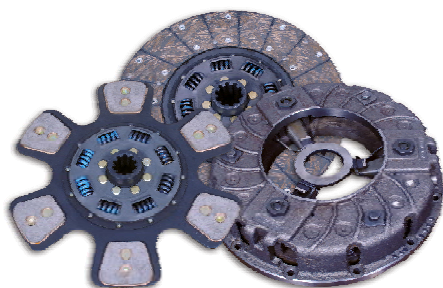
Rigid Ceramic disc

- High abuse and temp withstanding capacity for severe applications.

Cushioned Organic

- Smooth engagement, Smooth vehicle take off.

380 MM SINGLE PLATE FRICTION TYPE



PRODUCT APPLICATION

- Vehicles up to 49 tonnes
- Engines Torque upto 850 Nm
- Goods - Multi Axle trailers, long haul & Tippers
- Passenger - Intra city Bus

PRODUCT FEATURES

Cover Assembly

- SG Cast Cover robust design.
- Direct pressure coil spring design.
- Collector ring ensures flat surface for release bearing.
- Adjustment free clutch
- Needle rollers in the cover assembly ensures smooth working of clutch.
- Unique lever design with higher lever ratio.

Disc Assembly

- Rigid Ceramic, Cushioned Organic and Cushioned Ceramic discs options.
- Spring location with respect to ceramic buttons modified to allow extra usage of flywheel surface by maximum no. of cuts in recondition in

- flywheel face in case of re-surfacing.
- Induction hardening provided at specific area to minimize wear.

PRODUCT ADVANTAGES

Cover Assembly

- Low reciprocating weight results in less fuel consumption.
- Thicker Pressure Plate for improved Heat Sink & longer life.
- Easy Serviceability & maintainability.
- Fins provided for better heat dissipation.

Disc Assembly

Cushion Ceramic

- Smooth engagement, Smooth vehicle take off.
- High abuse and temp withstanding capacity for severe applications.

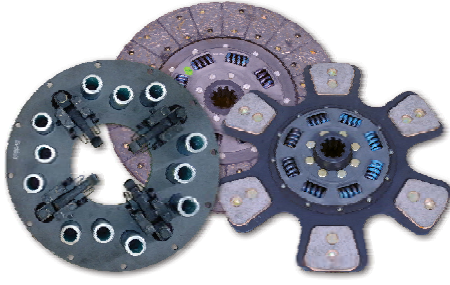
Rigid Ceramic disc

- High abuse and temp withstanding capacity for severe applications.

Cushioned Organic

- Smooth engagement, Smooth vehicle take off.

381 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Vehicles up to 49 tonnes
- Engines Torque upto 850 Nm
- Truck - Multi Axle trailers, long haul & Tipper
- Passenger - Intra city Bus

PRODUCT FEATURES

Cover Assembly

- Direct pressure coil spring design.
- Collector ring ensures flat surface for release bearing.
- Adjustment free clutch
- Needle rollers in the cover assembly ensures smooth working of clutch.
- Unique lever design with higher lever ratio.

Disc Assembly

- Rigid Ceramic, Cushioned Organic and Cushioned Ceramic discs options.

- Spring location with respect to ceramic buttons modified to allow extra usage of flywheel surface by maximum no. of cuts in recondition in flywheel face in case of re-surfacing.
- Induction hardening provided at specific area to minimize wear.

PRODUCT ADVANTAGES

Cover Assembly

- Low reciprocating weight results in less fuel consumption.
- Thicker Pressure Plate for improved Heat Sink & longer life.
- Easy Serviceability & maintainability.

Disc Assembly

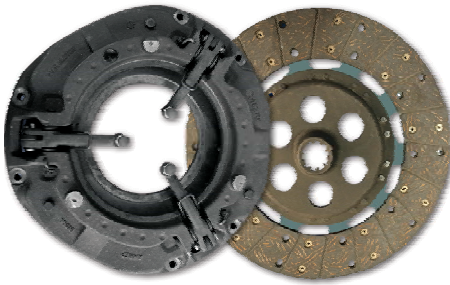
Rigid Ceramic disc

- High abuse and temp withstanding capacity for severe applications.

Cushioned Organic

- Smooth engagement, Smooth vehicle take of

240 MM SINGLE PLATE DRY FRICTION TYPE (Tractor)



PRODUCT APPLICATION

Tractors

PRODUCT FEATURES

Cover Assembly

- Light weight cover.

Disc Assembly

- Cushioned organic disc.
- Drive Hub made of high quality carbon
- Manganese toughened steel to absorb any shock load.

PRODUCT ADVANTAGES

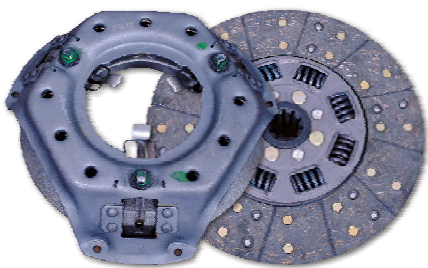
Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- 25% Higher Diaphragm Life.
- Increased thermal capacity.
- Air Holes provided for better heat dissipation.
- Lower initial clutch release load.

Disc Assembly

- Superior noise and vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear

280 MM SINGLE PLATE DRY FRICTION TYPE (Tractor)



PRODUCT APPLICATION

- Truck & Tractor

PRODUCT FEATURES

Cover Assembly

- Light weight as pressed steel cover.

Disc Assembly

- Cushioned organic disc.
- High Torque Capacity disc.
- Study core more thickness of reinforcing disc than other manufacturers.
- Longer damper disc.
- Drive Hub made of high quality carbon

- Manganese toughened steel to absorb any shock load.
- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

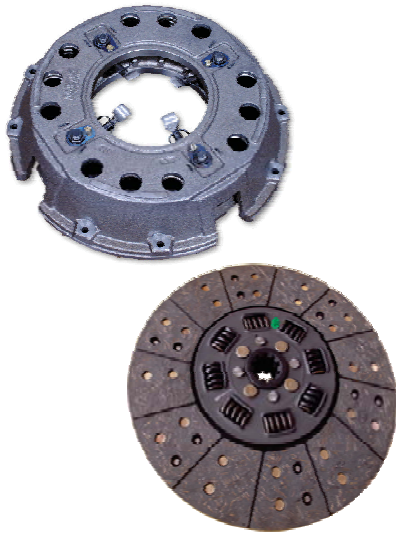
Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- Lower initial clutch release load.

Disc Assembly

- Superior noise and vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear

310 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Truck

PRODUCT FEATURES

Cover Assembly

- Light weight cast cover.
- Chrome Vanadium spring steel Diaphragm Springs with shot peening used for the high fatigue life of fingers

Disc Assembly

- Cushioned organic disc.
- High Torque Capacity disc.
- Additional reinforcement making the core extra sturdies than any other make
- Lower stiffness of damper spring.
- Drive Hub made of high quality carbon

- Manganese steel toughened to absorb any shock load.
- Carbonitrided back plates & front plates for low wear / stop window biting by spring.

PRODUCT ADVANTAGES

Cover Assembly

- Easy engagement & smooth vehicle take off.
- Less rattle noise.
- Increased thermal capacity.
- Lower initial clutch release load.

Disc Assembly

- Superior noise and vibration dampening = Longer gear box Life.
- Less no. of moving parts = Low wear

395 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Vehicles up to 25 tonnes
- Engines Torque Rating upto 1100 Nm
- Truck – Multiaxle, Tipper and trailer applications
- Bus – Long Haul Multiaxle Luxury buses

PRODUCT FEATURES

Cover Assembly

- Lightweight Pressed Steel Cover.
- Chrome Vanadium spring steel Diaphragm Spring for extended life.
- Variants in clamp force.

Disc Assembly

- Cerametallic button and Cushioned Clutch
- Disc to suit various applications.
- Pre-dampening design.

- Variants in dampening suitable to vehicle.

PRODUCT ADVANTAGES

Cover Assembly

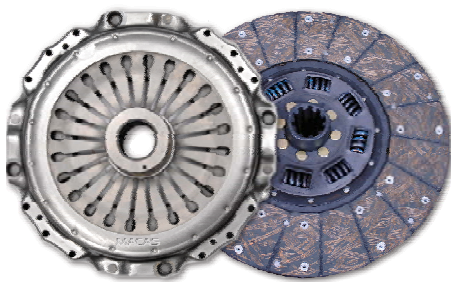
- Low reciprocating weight results in less fuel consumption.
- Less moving parts = less Wear and Tear.
- Pressed Steel cover with thicker Pressure Plate for Improved Heat Sink and better life.

Disc Assembly

Cushion Ceramic

- Smooth engagement, Smooth vehicle take off.
- Better noise and vibration dampening.
- Pre-dampening for rattle noise dampening.
- Lower Stiffness of damper spring.
- Variants in dampening suitable to vehicle.
- Pre-dampening design.

430 MM SINGLE PLATE DRY FRICTION TYPE



PRODUCT APPLICATION

- Vehicle from 30 Tonnes onwards
- Engines Torque Rating from 900 Nm to 1800 Nm
- Goods-Multiaxle Trailers and Multiaxle tippers
- Passenger- Long Haul Multiaxle Luxury buses

PRODUCT FEATURES

Cover Assembly

- Lightweight Pressed Steel Cover.
- Release Bearing Taper Snap-in or Parallel Fitment.
- Chrome Vanadium Diaphragm Spring.
- Thicker Pressure Plate.

Disc Assembly

- Cushioned Disc.

PRODUCT ADVANTAGES

Cover Assembly

- Low weight = Low Inertia & Perfect balance.
- Less moving parts.
- Pressed Steel cover accommodates a thicker Pressure Plate for Improved Heat Sink.

Disc Assembly

- Cushioned Disc for smooth Engagement.
- Better Noise and Vibration dampening.
- Pre-dampening for antirattle noise.
- Improved gear box life.

CLUTCH RANGE - INDIAN VEHICLES wef 01.01.2019

Sr.#	Export Part #	India MKT Part #	Size	Suitable for / Vehicles Application
MAHINDRA & MAHINDRA				
1	EXM-162-0	MCD-162-0	160 Dia	Clutch Disc Mahindra Champion AF
2	EXM-160-0	MDA-160-0	160 Dia	Diaphragm Cover Assy Mahindra Champion
3	EXM-242-0	MCD-242-0	240 Dia	Clutch Disc Mahindra Bolero / Pickup-AF
4	EXM-2420-0	MDA-2420-0	240 Dia	Diaphragm Cover Assy Bolero / Pickup
5	EXM-242-KIT	MKT-242-KIT	240 Dia CD+DCA	Clutch set Mahindra Bolero / Pickup
6	EXM-243-0	MCD-243-0	240 Dia	Clutch Disc Mahindra Scorpio AF
MAHINDRA NAVISTAR				
7	EXM-3953-0	MCA-3953-0	395 Dia CD	Clutch Disc 395 dia Mahindra Navistar
8	EXM-3952-0	MDA-3952-0	395 Dia DCA	Diaphragm Cover Assy Mahindra Navistar
FORCE MOTORS				
9	EXM-2410-0	MCD-2410-0	240 Dia CD	Clutch Disc 240 dia Force Cruiser AF
10	EXM-2897-0	MCD-2897-0	280 Dia CD	Clutch Disc 280 dia Force Tempo Traveller AF
BAJAJ				
11	EXM-167-0	MCD-167-0	160 Dia	Clutch Disc Bajaj GC 1000 AF
12	EXM-160-0	MDA-160-0	160 Dia	Diaphragm Cover Assy Bajaj GC 1000
TATA ACE				
13	EXM-1701-0	MCD-1701-0	170 Dia	Clutch Disc Tata ACE / Magic AF
14	EXM-1700-0	MDA-1700-0	170 Dia	Diaphragm Cover Assy Tata ACE / Magic
15	EXM-170-KIT	MKT-170-KIT	170 Dia CD+DCA	Clutch set Tata ACE / Magic
TATA 407 / 207				
16	EXM-2406-0	MCD-2406-0	240 NA AF	Clutch Disc GB 18 Tata 407 OM 6 Window AF
17	EXM-241-0	MCD-241-0	240 TC AF	Clutch Disc GB 18 Tata 407 Turbo 4 Window AF
18	EXM-2402-0	MCD-2402-0	240 Dia	Clutch Disc Tata 207 DI Turbo AF
19	EXM-2400-0	MDA-2400-0	240 TC	Diaphragm Cover Assy GB 18 Tata 407 Turbo
TATA 609 / 709 / 1210				
20	EXM-281-0	MCD-281-0	280 TC AF	Clutch Disc GB 27 Tata 609 / 709 Turbo AF - 4.0 mm
21	EXM-2816-0	MCD-2816-0	101-MD	Clutch Disc GB 27 Tata 609 / 709 AF -3.5 mm
22	EXM-2806-0	MCD-2806-0	102-MD	Clutch Disc GB 27 Tata 609 / 709 AF - 4.0 mm
23	EXM-2802-0	MDA-2802-0	280 TC	Diaphragm Cover Assy Tata 709 Turbo
24	EXM-2800-0	MCA-2800-0	280 Wide 3 Lever	Conventional Cover Assy 280 GB 30 -Tata 1210 S Wide Lever
25	EXM-2803-0	MCA-2803-0	280 thin 3 lever	Conventional Cover Assy 280 GB 27 -Tata 1210 D Thin Lever
26	EXLK-2800-0	MLK-2800-0	280 Wide 3 Lever	Lever KIT GB 30 -Tata 1210 S Wide Lever assy
27	EXLK-2803-0	MLK-2803-0	280 thin 3 lever	Lever KIT GB 27 -Tata 1210 D Thin lever assy
28	EXSK-2800-0	MSK-2800-0	280-	Spring KIT GB 30 -Tata 1210 S Wide Lever assy
29	EXSK-2803-0	MSK-2803-0	280-	Spring KIT GB 27 -Tata 1210 D Thin lever assy
30	EXM-2800-2	MPP-2800-2	280-	Pressure Plate GB 30 -Tata 1210 S Wide Lever assy
31	EXM-2803-2	MPP-2803-2	280-	Pressure Plate GB 27 -Tata 1210 D Thin lever assy
TATA 1210 / SE / 1312 / 1109 / 1510 / 1612 / LPT				
32	EXM-311-0	MCD-311-0	310 Dia AF	Clutch disc 310 dia GB 40 Tata 1312,2213 AF
33	EXM-311-0-HL	MCD-311-0-HL	310 Dia AF HL	Clutch Disc 310 dia GB 40 Tata 1312, 1512 TC High Load AF
34	EXM-3101-0	MDA-3101-0	310 NA	Diaphragm Cover Assy Tata 1210 / 1312 / 1513 (GB40)
35	EXM-3102-0	MDA-3102-0	310 TC	Diaphragm Cover Assy 310 TC GB-40 Tata 1312TC,1512TC
36	EXM-3100-0	MCA-3100-0	310 4 L	Conventional Cover Assy Tata 1210 / 1312 / 1510 (GB40)
37	EXLK-3100-0	MLK-3100-0	310-4L	Lever KIT Tata 1210 / 1312 / 1510 (GB40)
38	EXSK-3100-0	MSK-3100-0	310-	Spring KIT Tata 1210 / 1312 / 1510 (GB40)
39	EXM-3100-2	MPP-3100-2	310-	Pressure Plate Tata 1210 / 1312 / 1510 (GB40)
TATA 1613 / 1510 / 1613 / 1616 BSIII				
40	EXM-332-0	MCD-332-0	330 Cu Org TML AF	Clutch Disc Tata 1613 TC / 1510 TC / Tipper Models / 1616 BSIII AF
41	EXM-332-0-HC	MCD-332-0-HC	330 Cu Org TML HC	Clutch Disc Tata 1613 TC / 1510 TC / Tipper Models / 1616 BSIII HC AF
42	EXM-331-0	MBD-331-0	330 BD-TML	Button Disc 330 Tata 1613 Turbo / 1510 TC
43	EXM-330-0	MCA-330-0	330 3 L	Cover Assy Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
44	EXM-3303-0	MCA-3303-0	330 4 L	Cover Assy Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
45	EXLK-330-0	MLK-330-0	330 - 3 L	Lever KIT Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
46	EXLK-3303-0	MLK-3303-0	330 - 4 L	Lever KIT Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
47	EXSK-330-0	MSK-330-0	330 - 3 L	Spring KIT Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
48	EXSK-3300-0	MSK-3300-0	330 - 4 L	Spring KIT Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
49	EXM-330-2	MPP-330-2	330 - 3 L	Pressure Plate Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
50	EXM-330-2-WB	MPP-330-2-WB	330 - 3 L-WB	Pressure Plate Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII W/B
51	EXM-3300-2	MPP-3300-2	330 - 4 L	Pressure Plate Tata 1613 Turbo / 1510 TC / Tipper Model / 1616BSIII
52	EXM-3301-2	MPP-3301-2	330 - 4 L Ceramic	Pressure Plate 330 I Lever assy Ceramic

CLUTCH RANGE - INDIAN VEHICLES wef 01.01.2019

Sr.#	Export Part #	India MKT Part #	Size	Suitable for / Vehicles Application
TATA 2515 /2516 / 3515				
53	EXM-3504-0-HC	MCD-3504-0-HC	352 Cu Org Disc 4.2	Clutch Disc 352 Cushioned Star Bus High Cooper AF 4.2 mm
54	EXM-353-0	MBD-353-0	352 BD	Button Disc 352 Tata 2515 / 2516 / 3515 (1.5"spline GB 50)
55	EXM-354-0	MBD-354-0	352 BD	Button Disc 352 Tata 2515 / 2516 / 3515 (1.75" spline GB 60)
56	EXM-3523-0	MBD-3523-0	352 BD	Button Disc 352 Tata 2515 / 2516 / 3515 (1.75" spline Long Hub GB 60)
57	EXM-352-0-WB	MCA-352-0-WB	352 3 L WB	Cover Assy Tata 2515/2516/3515 GB-60 with Bearing cage Assy
58	EXM-352-0	MCA-352-0	352 3 L	Cover Assy Tata 2515/2516/3515 GB-60 without Bearing cage
59	EXLK-352-0	MLK-352-0	352 - 3 L	Lever KIT Tata 2515/2516/3515 GB-50/60 with Bearings
60	EXSK-352-0	MSK-352-0	352 - 3 L	Spring KIT Tata 2515/2516/3515 GB-50/60
61	EXM-352-2	MPP-352-2	352 - 3 L	Pressure Plate Tata 2515/2516/3515 GB-50/60
62	EXM-352-2-WB	MPP-352-2-WB	352 - 3 L-WB	Pressure Plate Tata 2515/2516/3515 GB-50/60 with bearings
63	EXM-352-14	MRB-352-14	352 BG 3L assy	Bearing cage Assy 352 assy GB 60
TATA 2516 / 3518 / 4010 / TML				
64	EXM-391-0-HC	MCD-391-0-HC	380 HC AF-4.5 mm	Clutch Disc Tata 2516 (GB75) TML High Copper AF
65	EXM-384-0	MBD-384-0	380 Diaog BD	Button Disc Tata 2516 BG75 Diaognal 6 paddle
66	EXM-3801-0	MBD-3801-0	380 TML BD 4.8 mm	Button Disc Tata 2516 BG75 - 4.8 mm 6 paddle
67	EXM-380-0	MCA-380-0	380 3L	Conventional Cover Assy Tata 2516 GB 75 TML - 3 Lever
68	EXLK-380-0	MLK-380-0	380 3L	Lever KIT Tata 2516 GB 75 TML - 3 Lever
69	EXSK-380-0	MSK-380-0	380 3L	Spring KIT Tata 2516 GB 75 TML - 3 Lever
70	EXM-380-2	MPP-380-2	380 3L	Pressure Plate Tata 2516 GB 75 TML - 3 Lever
71	EXM-380-2-WB	MPP-380-2-WB	380 3L-WB	Pressure Plate Tata 2516 GB 75 TML - 3 Lever with bearing
72	EXM-380-28	MRB-380-28	380 RB 3L assy	Clutch Release Bearing 380 CCA GB 75
TATA PRIMA				
73	EXM-4301-0	MCD-4301-0	430 Dia CD	Clutch Disc 430 dia Tata Prima
74	EXM-4300-0	MDA4300-0	430 Dia DCA	Diaphragm Cover Assy 430 dia Tata Prima
ASHOK LEYLAND DOST				
75	EXM-2151-0	MCS-2151-0	215 Dia	Clutch Disc Leyland Dost AF
76	EXM-2150-0	MDA-2150-0	215 Dia	Diaphragm Cover Assy Leyland Dost
77	EXM-2151-KIT	MKT-2151-KIT	CD+DCA	Clutch Set Leyland Dost
ASHOK LEYLAND CARGO / IVECO 707/909				
78	EXM-312-0	MCD-312-0	310 Dia AF-LL cargo	Clutch disc 310 dia Leyland Cargo AF
79	EXM-3103-0	MDA-3103-0	310 NA-AL	Diaphragm Cover Assy 310 dia Leyland Cargo
ASHOK LEYLAND COMET				
80	EXM-333-0	MCD-333-0	330 Cu Org AL AF	Clutch Disc 330 dia AL 13" Cushioned AF
81	EXM-333-0-HC	MCD-333-0-HC	330 Cu Org AL HC AF	Clutch Disc 330 dia AL 13" High Cooper Cushioned AF
82	EXM-3305-0	MBD-3305-0	330 BD-AL	Button Disc 330 Leyland 6 Paddle
ASHOK LEYLAND VIKING / CHEETAH / TUSKER-1613/2214				
83	EXM-357-0	MCD-357-0	352 Dia AF Thick	Clutch Disc Leyland Taurus 2516 / Panther / Stallion Thick AF
84	EXM-358-0	MCD-358-0	352 Dia AF Thin	Clutch Disc Leyland Hino 110 / 130 PS Engine Thin AF
85	EXM-355-0-HC	MCD-355-0-HC	352 Cu Org Disc 5.7	Clutch Disc 352 Cushioned Org Leyland 14" Tuskar, 2214 HC AF
86	EXM-3521-0	MCA-3521-0	353 3L	Conventional Cover Assy Leyland 14" Hino - 3 Lever
87	EXM-3520-0	MCA-3520-0	353-4L	Conventional Cover Assy Leyland 14" Tuskar, 2214-4 Lever
88	EXM-356-0	MBD-356-0	353 LL 14" BD	Button Disc Leyland 14" Cheeta/Comet/Tusker Tipper
89	EXLK-3521-0	MLK-3521-0	353 - 3L	Lever KIT Leyland 14" Hino - 3 Lever
90	EXLK-3520-0	MLK-3520-0	353 - 4L	Lever KIT Leyland Tuskar, 2214-4 Lever
91	EXSK-3520-0	MSK-3520-0	353 - 4L	Spring KIT Leyland Tuskar, 2214-4 Lever
92	EXM-3521-28	MFP-3521-28	353 3L	Face Plate Leyland 14" Hino 3 Lever assy
93	EXM-3520-28	MFP-3520-28	353 4L	Face Plate Leyland 2214 , Tuskar -14" 4 Lever
94	EXM-3521-2	MBP-3521-2	353 3L	Back Plate Leyland 14" Hino 3 Lever assy
95	EXM-3520-2	MBP-3520-2	353 4L	Back Plate Leyland 2214 , Tuskar -14" 4 Lever
96	EXM-3521-14	MWP-3521-14	353 3L	Withdrawl Plate Leyland 14" Hino 3 Lever assy
97	EXM-3520-14	MWP-3520-14	353 4L	Withdrawl Plate Leyland Tuskar , 2214- 4 Lever assy
ASHOK LEYLAND TAURUS 2516 / TIPPER/ TUSKER				
98	EXM-383-0	MBD-383-0	380 LL 15" BD	Button Disc Leyland 15" Taurus 2516 Tipper
99	EXM-381-0	MBD-381-0	380 LL 15" BD	Button Disc Leyland 15" 6 Paddle 1.75"
100	EXM-3800-0	MCA-3800-0	381 - 4L	Conventional Cover Assy Leyland 2516,3516,4018 Turbo-15"
101	EXLK-3800-0	MLK-3800-0	381 - 4L	Lever KIT Leyland 2516,3516,4018 Turbo-15"
102	EXSK-3800-0	MSK-3800-0	381 4L	Spring KIT Leyland 2516,3516,4018 Turbo-15"
103	EXM-3800-28	MFP-3800-28	381 4L	Face Plate Leyland 2516,3516,4018 Turbo-15"
104	EXM-3800-2	MBP-3800-2	381 4L	Back Plate Leyland 2516,3516,4018 Turbo-15"-4 Lever
105	EXM-394-0	MCD-394-0	383-M	Clutch Disc Leyland 2516,3516,4018 Turbo 15" rigid AF
AMW				
106	EXM-382-0	MBD-382-0	380 AMW BD	Button Disc AMW 2515 / 4018

CLUTCH RANGE - INDIAN VEHICLES wef 01.01.2019

Sr.#	Export Part #	India MKT Part #	Size	Suitable for / Vehicles Application
MAN				
107	EXM-3955-0	MCD-3955-0	395 Dia CD	Clutch Disc 395 dia MAN
108	EXM-3954-0	MDA-3954-0	395 Dia DCA	Diaphragm Cover Assy MAN
BHARATBENZ				
109	EXM-3951-0	MCD-3951-0	395 Dia CD	Clutch Disc 395 dia Bharatbenz
110	EXM-3950-0	MDA-3950-0	395 Dia DCA	Diaphragm Cover Assy Bharatbenz
EICHER MOTORS LTD.				
111	EXM-2750-0	MCD-2750-0	275 Dia EML	Clutch Disc 275 dia Eicher Canter - AF
112	EXM-2751-0	MDA-2751-0	275 Dia DCA	Diaphragm Cover Assy 275 dia Eicher Canter
113	EXM-3304-0	MBD-3304-0	330 Dia BD-EML	Buttons Disc 330 dia Eicher Truck
114	EXM-3303-0	MCA-3303-0	330 4 L	Conventional Cover Assy 330 dia 4 Lever Eicher Truck
SWARA MAZDA				
115	EXM-2601-0	MCD-2601-SML	260 Dia CD SMZ	Clutch Disc 260 dia Swaraj Mazda-AF
116	EXM-2600-0	MDA-2600-SML	260 Dia DCA	Diaphragm Cover Assy 260 dia Swaraj Mazda
SWARAJ / SONALIKA TRACTOR				
117	EXM-2652-0	MCD-2652-0	240 Dia AF	Clutch Disc Swaraj 735 OM 10" Rigid AF
118	EXM-2804-0	MCD-2804-0	280 Dia AF	Clutch Disc Swaraj 735/855 / Sonalika 11" Rigid AF
119	EXM-2835-0	MCD-2835-0	280 Dia AF	Clutch Disc 11" Swaraj / Sonalika PTO 3.5 mm AF
120	EXM-2809-0	MCD-2809-0	280 Dia AF	Clutch Disc Swaraj 735 / 855 / Sonalika 11" AF
121	EXM-2810-0	MCA-2810-0	280 Dia CCA	Conventional Cover Assy Swaraj 735 / 855 / Sonalika
122	EXM-2833-0	MDA-2833-0	280 Dia DCA	Diaphragm Cover Assy 280 dia Swaraj 735 / 855 / Sonalika
123	EXM-2837-0	MBD-2837-0	280 Dia	Button Disc Swaraj / Sonalika 5 Paddle -11"
124	EXM-2836-0	MBD-2836-0	280 Dia	Button Disc swaraj / Sonalika 4 Paddle - 11"
125	EXM-2894-0	MCD-2894-0	280 Dia CD AF	Clutch Disc Swaraj 735 / 855 / Sonalika -Rigid New Model
126	EXM-2895-0	MCD-2895-0	280 Dia CD AF	Clutch Disc Swaraj 735 / 855 / Sonalika - Rigid PTO NM
127	EXM-2920-0	MCD-2920-0	295 Dia	Clutch Disc Sonalika 45 / 50 HP - 11.5" Rigid AF
128	EXM-2920-0-M	MCD-2920-0-M	295 Dia	Clutch Disc Sonalika 45 / 50 HP - 11.5" Rigid Asb
129	EXM-313-0	MCD-313-0	310 Dia CD	Clutch Disc Swaraj 855 / Sonalika / Combine -AF
130	EXM-3100-0	MCA-3100-0	310 Dia CCA	Conventional Cover Assy Swaraj 855 / Sonalika / Combine
MAHINDRA TRACTOR				
131	EXM-2651-0-AF	MCD-2651-0-AF	240 Dia	Clutch Disc Mahindra B275 -Rigid 10" AF
132	EXM-2651-0-M	MCD-2651-0-M	240 Dia	Clutch Disc Mahindra B275 -Rigid 10" Asb
133	EXM-2653-0	MCD-2653-0	240 Dia	Clutch Disc Mahindra B275 - 10" AF
134	EXM-2653-M	MCD-2653-M	240 Dia	Clutch Disc Mahindra B275 - 10" Asb
135	EXM-2650-0	MCA-2650-0	250 Dia CCA	Conventional Cover Assy M&M Inter B275 (O/M)
136	EXM-2812-0	MCD-2812-0	280 Dia AF	Clutch Disc M&M 434 DI - AF
137	EXM-2813-0	MCA-2813-0	280 Dia CCA	Conventional Cover Assy M&M 434 DI
138	EXM-2878-0	MDA-2878-0	280 Dia DCA	Diaphragm Cover Assy 280 dia M&M 434 DI
139	EXM-2851-0	MBD-2851-0	280 Dia	Button Disc M&M Arjun 5 Paddle
140	EXM-2886-0	MBD-2886-0	280 Dia BD	Button Disc M&M Bhoomiputra 5 Paddle
141	EXM-2884-0	MBD-2884-0	280 BD	Button Disc M&M Arjun New Model 21 Teeth 4 Paddle
142	EXM-2885-0	MBD-2885-0	280 BD	Button Disc M&M Bhoomiputra 4 Paddle
143	EXM-2850-0	MBD-2850-0	280 Dia	Button Disc M&M Arjun 4 Paddle
144	EXM-2883-0	MBD-2883-0	280 Dia BD	Button Disc M&M Arjun NOVA 4 Paddle
145	EXM-2858-0	MBD-2858-0	280 Dia	Button Disc M&M Arjun 3 Paddle Rigid
146	EXM-2867-0	MCD-2867-0	280 Dia	Clutch Disc Mahindra Arjun Bhumiputra 11" -40 Hole AF
147	EXM-2867-0-M	MCD-2867-0-M	280 Dia	Clutch Disc Mahindra Arjun Bhumiputra 11" -40 Hole Asb
148	EXM-28104-0	MCD-28104-0	280 Dia	Diaphragm Cover Assy 280 dia M&M Arjun /Bhoomiputra / Sarpanch
FORD TRACTOR				
149	EXM-2807-0	MCD-2807-0	280 Dia AF	Clutch Disc Ford 3600 AF
150	EXM-2808-0	MCA-2808-0	280 Dia CCA	Conventional Cover Assy Ford 3600
151	EXM-2876-0	MDA-2876-0	280 Dia DCA	Diaphragm Cover Assy Ford 3600
152	EXM-28100-0	MCD-28100-0	280 Dia CD	Clutch Disc Ford 5000 AF 4mm
ACE TRACTOR				
153	EXM-2815-0	MCD-2815-0	280 Dia AF	Clutch Disc Action Construction Equip 11" 4mm AF
154	EXM-2823-0	MCD-2823-0	280 Dia AF	Clutch Disc Action Construction Equip 11" 25 HP-4mm AF
ACE CRANE				
155	EXM-2811-0	MCD-2811-0	280 Dia CCA	Conventional Cover Assy ACE Crane
156	EXM-28102-0	MCD-28102-0	280 Dia AF	Clutch Disc Action Construction Equip Crane 11" -4mm AF

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Sr.#	Export Part #	India MKT Part #	Size	Suitable for / Vehicles Application
<u>VOLTAS</u>				
157	EXM-2898-0	MCD-2898-0	280 Dia CD	Clutch Disc Voltas Forklift
158	EXM-2803-0	MCA-2803-0	280 Dia CCA	Conventional Cover Assy Voltas Forklift
<u>MESSAY FERGUSION / TAFE TRACTOR</u>				
159	EXM-2868-0	MCD-2868-0	280 Dia	Clutch Disc Messay 1035 DI-245 AF 11"
160	EXM-2868-0-M	MCD-2868-0-M	280 Dia	Clutch Disc Messay 1035 DI-245 Asb 11"
161	EXM-2869-0	MCD-2869-0	280 Dia	Clutch Disc Messay 1035 DI 245 -11" Rigid AF
162	EXM-2869-0-M	MCD-2869-0-M	280 Dia	Clutch Disc Messay 1035 DI 245 -11" Rigid Asb
163	EXM-3021-0	MCA-3021-0	302 Dia	Conventional Cover Assy Messey Ferguson 245
164	EXM-3020-0	MCD-3020-0	310 Dia	Clutch Disc MF 245 - 12" cushioned AF
165	EXM-3020-0-M	MCD-3020-0-M	310 Dia	Clutch Disc MF 245 - 12" cushioned Asb
<u>JOHN DEERE TRACTOR</u>				
166	EXM-2853-0	MBD-2853-0	280 Dia	Button Disc John Deere 5 Paddle 19 Teeth
167	EXM-2882-0	MBD-2882-0	280 Dia BD	Button Disc John Deere 5 Paddle 13 Teeth
168	EXM-2852-0	MBD-2852-0	280 Dia	Button Disc John Deere 4 Paddle 19 Teeth
169	EXM-2881-0	MBD-2881-0	280 Dia BD	Button Disc John Deere 4 Paddle 13 Teeth
170	EXM-2857-0	MBD-2857-0	280 Dia	Button Disc John Deere 3 Paddle 19 Teeth Rigid
171	EXM-2880-0	MBD-2880-0	280 Dia BD	Button Disc John Deere 3 Paddle 13 Teeth
172	EXM-2890-0	MCD-2890-0	280 Dia CD	Clutch Disc John Deere 19 Teeth
173	EXM-2838-0	MCD-2838-0	280 Dia CD	Clutch Disc John Deere 13 Teeth
174	EXM-2839-0	MDA-2839-0	280 Dia DCA	Diaphragm Cover Assy John Deere
<u>ESCORTS / FARMTRAC TRACTOR</u>				
175	EXM-2811-0	MCA-2811-0	280 Dia CCA	Conventional Cover Assy Escorts 355 / Yellow Line
176	EXM-2828-0	MCD-2828-0	280 Dia AF	Clutch Disc Escorts Yellow line 11"AF 4mm
177	EXM-2856-0	MBD-2856-0	280 Dia	Button Disc Farm Track 5 Paddle
178	EXM-2855-0	MBD-2855-0	280 Dia	Button Disc Farm Track 4 Paddle
179	EXM-2870-0	MCD-2870-0	280 Dia	Clutch Disc Farmtrack 11" Rigid Cushioned AF
180	EXM-2870-0-M	MCD-2870-0-M	280 Dia	Clutch Disc Farmtrack 11" Rigid Cushioned Asb
181	EXM-2871-0	MCD-2871-0	280 Dia	Clutch Disc Farmtrack 11" PTO Rigid Cushioned AF
182	EXM-2871-0-M	MCD-2871-0-M	280 Dia	Clutch Disc Farmtrack 11" PTO Rigid Cushioned Asb
183	EXM-2872-0	MCD-2872-0	280 Dia	Clutch Disc Farmtrack 11" PTO Rigid AF
184	EXM-2872-0-M	MCD-2872-0-M	280 Dia	Clutch Disc Farmtrack 11" PTO Rigid Asb
185	EXM-3108-0	MCD-3108-0	310 Dia	Clutch Disc Farmtrack 310 dia AF
186	EXM-3108-0-M	MCD-3108-0-M	310 Dia	Clutch Disc Farmtrack 310 dia Asb
<u>NEW HOLLAND</u>				
187	EXM-2847-0	MBD-2847-0	280 Dia BD	Button Disc New Holland 5 Paddle 10 Teeth
188	EXM-2888-0	MBD-2888-0	280 Dia BD	Button Disc New Holland 5 Paddle 14 Teeth
189	EXM-2846-0	MBD-2846-0	280 Dia BD	Button Disc New Holland 4 Paddle 10 Teeth
190	EXM-2887-0	MBD-2887-0	280 Dia BD	Button Disc New Holland 4 Paddle 14 Teeth
191	EXM-2891-0	MCD-2891-0	280 Dia CD	Clutch Disc New Holland 10 Teeth - AF
192	EXM-2892-0	MCD-2892-0	280 Dia CD	Clutch Disc New Holland 14 Teeth - AF
193	EXM-2877-0	MDA-2877-0	280 Dia DCA	Diaphragm Cover Assy New Holland
<u>EICHER TRACTOR</u>				
194	EXM-2320-0	MCD-2320-0	240 Dia	Clutch Disc Eicher 9.25" Rigid AF
195	EXM-2320-0-M	MCD-2320-0-M	240 Dia	Clutch Disc Eicher 9.25" Rigid Asb
196	EXM-2321-0	MCD-2321-0	240 Dia	Clutch Disc Eicher 9.25" AF
197	EXM-2321-0-M	MCD-2321-0-M	240 Dia	Clutch Disc Eicher 9.25" Asb
198	EXM-2654-0	MCD-2654-0	250 Dia	Clutch disc Eicher 10" Rigid AF
199	EXM-2865-0	MCD-2865-0	280 Dia	Clutch Disc Eicher 11" - AF
200	EXM-2865-0-M	MCD-2865-0-M	280 Dia	Clutch Disc Eicher 11" - Asb
201	EXM-28105-0	MCD-28105-0	280 Dia	Clutch Disc Eicher 11" PTO 21 Teeth AF
202	EXM-28106-0	MCD-28106-0	280 Dia	Clutch Disc Eicher 11" 4mm Diaph Type Assly. AF
<u>HMT / ZETOR TRACTOR</u>				
203	EXM-2820-0	MCD-2820-0	280 Dia CD	Clutch Disc 2011 / 2511 / 3011-16 spline Rigid AF
204	EXM-2821-0	MCD-2821-0	280 Dia CD	Clutch Disc 5911 PTO - 28 spline Rigid AF
205	EXM-2822-0	MCD-2822-0	280 Dia CD	Clutch Disc 5911 - 18 spline Rigid AF
206	EXM-2821-0	MCD-2821-0	280 Dia CD	Clutch Disc 5911 -18 spline Rigid 11.5" AF
207	EXM-2821-0-M	MCD-2821-0-M	280 Dia CD	Clutch Disc 5911 -18 spline Rigid 11.5" Asb

CLUTCH RANGE - PASSENGER CAR wef 01.01.2019

Sr.#	Part #	Suitable for	Size	Vehicles Application
MARUTI				
1	PCS 227		160	MARUTI-800
2	PCS 830		170	MARUTI ZEN / MATIZ
3	PCS 924		180	ALTO
4	PCS 180		180	MARUTI VAN
5	PCS 924 ZE		180	ZEN ESTILO / WAGON R MPFI
6	PCS 104		190	A STAR
7	PCS 190		190	VERSA
8	PCS 100		190	ESTEEM
9	PCS 102		190	SWIFT PETROL
10	PCS 106		200	SUZUKI SX4 / RITZ EURO III
11	PCS 102 SD		215	SWIFT DIESEL / DESIRE
TATA				
12	PCS 378		190	INDICA
13	PCS 378 V2		190	INDICA V2 DIESEL
14	PCS 380		190	INDIGO
15	PCS 379		200	INDICA TDI / MARINA TDI / VISTA TDI
16	PCS 382		215	INDICA VISTA (Quadrajel) / INDIGO MANJA
17	PCS 786		228	SUMO
18	PCS 786-SI		228	SUMO SIERRA
19	PCS 786-SP		228	SUMO SPACIO
FIAT				
20	PCS 867		180	UNO PETROL
21	PCS 868 P		180	PEUGEOT
22	PCS 868 1.2L		190	PALIO 1.2L
23	PCS 868 1.6L		200	PALIO 1.6L
24	PCS 868 D		200	PALIO DIESEL
25	PCS 866		200	UNO DIESEL
GM				
26	PCS 830		184	SPARK / AVEO 1.4
27	PCS 473 1.4L		190	OPEL CORSA 1.4L
28	PCS 473 1.6L		200	OPEL CORSA 1.6L
29	PCS 473		200	OPEL ASTRA NM
30	PCS 278		215	OPEL ASTRA OM / OPTRA
31	PCS 828		225	TAVERA
TOYOTA				
32	PCS 791		210	COROLLA
33	PCS 782		225	QUALIS
34	PCS 799		236	INNOVA
HYUNDAI				
35	PCS 749		180	GETZ PRIME
36	PCS 726		180	SANTRO T1/T2 ASSY
37	PCS 750		200	ACCENT DIESEL
38	PCS 751		200	ACCENT PETROL
39	PCS 752		215	ACCENT CRDi
40	PCS 733		215	VERNA DIESEL / VIVA
41	PCS 753		240	VERNA DIESEL
42	PCS 732 D		215	ELANTRA DIESEL
43	PCS 732 CRD		225	ELANTRA DIESEL CRDi
HONDA				
44	PCS 466		200	HONDA CITY TYPE I&II
45	PCS 469		190	HONDA CITY 1.5L PETROL TYPE III
46	PCS 475		215	HONDA CIVIC IV TECH
FORD				
47	PCS 367-1.3L		180	IKON 1.3 PETROL
48	PCS 367-1.6L		200	IKON 1.6 PETROL
49	PCS 367 1.8L		210	IKON 1.8 DIESEL
50	PCS 373		210	FIESTA DIESEL
51	PCS 369		220	ESCORT 1.8L DIESEL
52	PCS 370		250	FORD ENDEAVOUR
MAHINDRA				
53	PCS 277 P		200	LOGAN PETROL
54	PCS 277 D		215	LOGAN 1.5L DIESEL
55	PCS 728		240	SCORPIO HAWK
56	PCS 734		240	SCORPIO / XYLO
SKODA				
57	PCS 471		228	OCTAVIA EURO 4
58	PCS 471 WFW		228	OCTAVIA EURO 4 with FlyWheel

FLYWHEEL ASSY RANGE - INDIAN VEHICLES wef 01.01.2019

PART #	EQUIVALENT TO E.O. NUMBER	CLUTH DIA	ENGINE NUMBER/MODEL	NO. OF TEETH ON FLYWHEEL RING GEAR	APPLICATION SUITABLE FOR
FWA 1201	2525 0311 0117	350 MM	2516 TURBO	146 TEETH	TATA
FWA 1202	2786 0798 9927	350 MM	2515 TC/HYWA	138 TEETH	TATA
FWA 1203	2525 0311 0126 2525 0311 0121 2525 0311 0127 2525 0311 0128	330 MM	1613 TURBO	125 TEETH	TATA
FWA 1204	2525 0311 0104	310 MM	S.E /G.B.40	125 TEETH	TATA
FWA 1205	2786 0399 9983	350 MM	2515 EX	173 TEETH	TATA
FWA 1206	2786 0399 9970	330 MM	1312 TC/1613 CNG 1512TC	159 TEETH (4 HOLE)	TATA
FWA 1207	2786 0798 9925	330 MM	1312 TC 4 BOLT	127 TEETH (4 HOLE)	TATA
FWA 1210	2534 0311 0128	240 MM	407 TURBO	114 TEETH	TATA
FWA 1211	2788 0311 0101	170 MM	ACE / MAGIC	120 TEETH	TATA
FWA 1212	2525 0311 0132	350 MM	2515 TURBO TC1615 / 1616, 1613 697 BSIII (Super Turbo)	146 TEETH 6 SENSOR SLOT TYPE	TATA
FWA 1213	T065 6000 0053	350 MM	2515TC/4018TC/3518TC/31 18TC/2518TC	138 TEETH (4 HOLE)	TATA
FWA 1214	278603999825/9801	380 MM	Tata 1613/3118 GB75 (380 Dia)/ TATA 2518, 3118 (GB 750) (THICK)	138 TEETH	TATA
FWA 1215	5701 0399 0136	430 MM	PRIMA	149 TEETH	TATA
FWA 1216	2527 311 0135	330 MM	1109 Sensor/TATA 1109 BSI, BSII	125 TEETH	TATA
FWA 1217	2525 0311 0145	350 MM	1616 EURO IV	146 TEETH 58 SNESOR HOLE TYPE	TATA
FWA 1218	NA	280 MM	709	125 TEETH	TATA
FWA 1219	NA	200 MM	Super Ace	120 TEETH	TATA
FWA 1220	NA	228MM	207DI	114 TEETH	TATA
FWA 1221	2527 0311 0137 / 2527 0311 0142	330MM	MARCOPOLO LPO 1613 EURO IV	125 TEETH	TATA
FWA 1222	2525 0311 0143	352MM	Tata 697 CNG bus GB 60	146 TEETH 58 SNESOR HOLE TYPE	TATA
FWA 1251	EURO - II	380 MM	NA	138 TEETH	AMW
FWA 1252	EURO - II	380 MM	NA	173 TEETH	AMW
FWA 1253	EURO - III	380 MM	NA	138 TEETH	AMW

PART #	EQUIVALENT TO E.O. NUMBER	CLUTH DIA	ENGINE NUMBER/MODEL	NO. OF TEETH ON FLYWHEEL RING GEAR	APPLICATION SUITABLE FOR
FWA 1254	EURO - IV ISBE	395 MM	2528	138 TEETH	AMW
MBPA01	EURO - II	380 MM	BACK PLATE / TAWA	NA	AMW
FWA 1300	B9242202B8731001	380 MM	4018 LUG TYPE BS3	136 TEETH	LEYLAND
FWA 1301	B8249801	350 MM	4018	136 TEETH	LEYLAND
FWA 1302	B3F00401	330 MM	E COMET	126 TEETH	LEYLAND
FWA 1303	B9708217	215 MM	DOST	119 TEETH	LEYLAND
FWA 1304	B-9288401	380 MM	4923	136 TEETH	LEYLAND
FWA 1305	NA	350 MM	2516	136 TEETH	LEYLAND
FWA 1306	B7788101	380 MM	FACE PLATE NOT REQUIRED	136 TEETH	LEYLAND
MLPP 05	F7202322	350 MM THIN (13MM)	FACE PLATE	NA	LEYLAND
MLPP 06	F7200522 X7200122	380 MM THICK (19MM)	FACE PLATE	NA	LEYLAND
MBPL01	F3032422	350 MM	BACK PLATE (4 FINGER)	NA	LEYLAND
MBPL02	F3032622	380 MM	BACK PLATE (4 FINGER)	NA	LEYLAND
FWA 1271	IB001784	275 MM	CANTER (6 HOLE)	110 TEETH	EICHER
FWA 1272	ID000112	300 MM 325 MM	JUMBO	140 TEETH	EICHER
FWA 1273	ID000032	275 MM	CANTER (9 HOLE)	110 TEETH	EICHER
FWA 1260	2523 TIPPER	395 MM	400 030 0505	146 TEETH	BHARAT BENZ
FWA 1261	NA	362 MM	NA	133 TEETH	BHARAT BENZ
FWA 1285	NA	395 mm	NAVISTAR	145 TEETH	MAHINDRA
FWA 1286	NA	160 MM	MAXIMO/ MAX PICKUP / BOLERO	110 TEETH	MAHINDRA
FWA 1287	NA	160 MM	MAXIMO/ MAX PICKUP / BOLERO	110 TEETH	MAHINDRA
FWA 1287	NA		SCORPIO	146 TEETH	MAHINDRA
FWA 1288	NA	215 MM	VERITO	119 TEETH	MAHINDRA
FWA 1063	64023015366	430 MM	6 SLOTS FOR SENSORS	160 TEETH	MAN INDIA
FWA 1064	NA	430 MM	58 HOLES FOR SENSORS	160 TEETH	MAN INDIA
FWA 1065	NA	395 MM	6 SLOTS FOR SENSORS	143 TEETH	MAN INDIA
FWA 1295		260 MM	T3500 / T4000	138 TEETH	MAZDA
TRACTORS RANGE					
FWA 1500	7672215	NA	NA	129 TEETH	JOHN DEERE
FWA 1501	AR40565	NA	JD 500 / JD 500A JD 500B / JD 600 500 C / 3010 / 3020 4010 / 4020	129 TEETH	JOHN DEERE

PART #	EQUIVALENT TO E.O. NUMBER	CLUTH DIA	ENGINE NUMBER/MODEL	NO. OF TEETH ON FLYWHEEL RING GEAR	APPLICATION SUITABLE FOR
FWA 1502	AR 40567	NA	REPLACES AR 40565	129 TEETH	JOHN DEERE
FWA 1503	AR 48294	NA	4320 / 400 / 500	129 TEETH	JOHN DEERE
FWA 1504	RE18678AR103749	330 MM	1640, 2040, 3040, 3140, 2140, 2250, 2450, 2650, 2850, 3050, 3350, 3640	142 TEETH	JOHN DEERE
FWA 1505	RE 31572	330 MM	3650	142 TEETH	JOHN DEERE
FWA 1515	3819666M92 742106M91 41117084 31216362 31215781 31216851 70991031 3408361	300 MM	230, 240, 240S, 260, 265, 275, 285, 290, 375, 390, 4225, 4235, 4240, 4325, 4335	115 TEETH	MASSEY FERGUSON
FWA 1516	3819669M91 3638443M91 31122C071(ONLY FLYWHEEL) 4111D123	330 MM	4260, 4270, 4360, 4370, 399 MODEL	118 TEETH	MASSEY FERGUSON
FWA 1517	3819667M91 747577M91 4111D043	330 MM	390, 390T, 393, 398, 4243 4245, 4253, 4255, 4265 and 4345	115 TEETH	MASSEY FERGUSON
FWA 1518	027518N1 02027518N	330 MM	MF 440 (Brazil Model)	115 TEETH	MASSEY FERGUSON
MBDME	827707M7	NA	MF 135	BRAKE DRUM	MASSEY FERGUSON
FWA 1675	1808413C92	300 MM	4210, 4230, 4240, 268, 288, 685, 695, 795, 885, 885XL, 895, 895XL, 995, 995XL	128 (14MM) TEETH	CASE INTERNATIONAL
FWA 1650	NA	330 MM	5610, 6610, 7610	128 (16MM) TEETH	FORD NEW HOLLAND
FWA 1415	600313 / B 8 + 1 HOLE	275 MM	TRACTOR 4 CYLINDER	120 TEETH	STANDARD TRACTORS
FWA 1416	600313 / C 7 + 1 HOLE	275 MM DUAL CLUTCH	TRACTOR 4 CYLINDER	120 TEETH	STANDARD TRACTORS
FWA 1417	450313	NA	TRACTOR 3 CYLINDER	120 TEETH	STANDARD TRACTORS
FWA 1430	PT 4455	275 MM	NA	NA	ESCORT

PRODUCT RANGE

Conventional Cover Assembly

Diaphragm Cover Assembly

Clutch Disc Organic

Clutch Disc Ceramic (Button)

Lever Kits & Spring Kits

Pressure Plate/Tawa

Flywheel Assembly & Rings

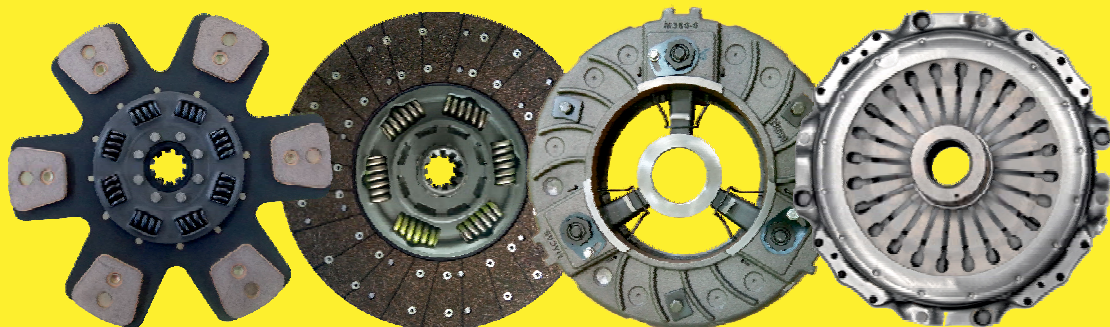
Clutch Facing

Brake Lining

Ceramic Button

Tractor Brake Disc

Brake Pads



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