



Cigüeñal | Коленвал | Crankshaft |
Virabrequim | Kurbelwelle

SINCE
1989

PRODUCT CATALOGUE

**PRECISION
ENGINEERING
& POWERING
THE FUTURE**



BALU FORGE INDUSTRIES LIMITED

WHO WE ARE

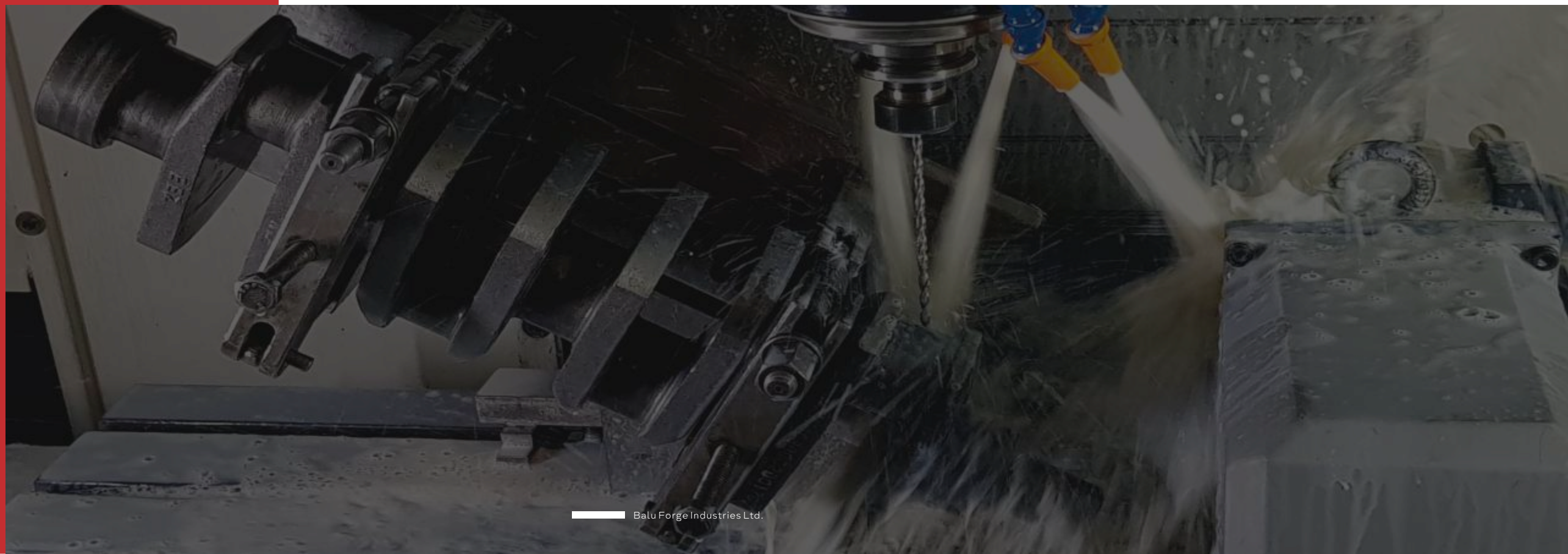
We have become a name symbolizing quality & excellence in the field of crankshaft manufacturing & precision machining since **1989**.

Our in-house capability & state of the art automotive engineering enables us to manufacture any type of crankshaft in a large range of applications namely Agriculture: Tractors, Harvesters | Heavy Duty: Trucks, Buses, Trailers | Automotive | Generators: Industrial, Standby, Home backup, Portable | Oil & Gas: Pumps & Compressors | Refrigeration: Compressor | Industrial | Off Road & On Road: Motorcycles, Carts, Jet Skis | High Performance: Racing Series | Locomotive | Marine | Aerospace.

Balu Forge Industries Limited (BFIL) has evolved into a global powerhouse in precision engineering, specializing in the manufacturing of fully finished and semi finished forged crankshafts, precision components, and advanced defense solutions. With over three decades of manufacturing excellence, BFIL has expanded its reach to over 86 countries, serving more than 25 prestigious OEMs across five continents. Our commitment to innovation is evidenced by our state-of-the-art facilities, which now feature advanced 7-axis and 11-axis CNC machining capabilities and Junker grinding technology to ensure unmatched precision for complex geometries.

Our manufacturing infrastructure has seen significant scaling through the acquisition of world class assets, including the Mercedes Benz Truck factory machining unit from Mannheim, Germany, and fully automated forging lines utilizing GERB Anti Vibration technology. These advancements have propelled our annual forging capacity to over 100,000 tons, with a strategic roadmap to reach 150,000 tons. BFIL is uniquely positioned to manufacture products ranging from 1 kg up to 1,500 kg and up to 3 meters in length, meeting the rigorous demands of sectors including Aerospace, Defense, Railway, and New Energy Vehicles. Fully accredited with IATF 16949 and ISO certifications, we continue to lead the industry by integrating Industry 4.0 practices with a dedicated 75 person R&D team to deliver high performance, sustainable engineering solutions globally.

By operating a fully integrated value chain encompassing in house tool rooms, metallurgical labs, and specialized heat treatment processes we maintain total control over product quality and development speed. This vertical integration allows us to transition seamlessly from initial concept and design to rapid prototyping and mass production. Our recent investments in a 46-acre greenfield facility in Belgaum and a specialized production line for the defense sector further underscore our ambition to remain at the forefront of the precision engineering world. At BFIL, we combine decades of family led heritage with cutting edge automation to supply the critical components that power the global industries of tomorrow.





We have been accredited with ISO 9001 certifications for more than a decade for continuous manufacturing excellence.

We have been a IATF 16949:2016 accredited company for almost a decade for offering Precision Engineering Solutions of the Highest Standards to our customers.

We have been accredited with the ISO 14001:2015 (Environmental Management System) certification in the year 2020 owing to continuous effort & commitment to an Environmental Conscious Culture at the company. We have targeted to be a Carbon Neutral company by the year 2030 & the steps towards that goal have been initiated from 2020. A large emphasis has been put on Wind & Solar Energy amongst other renewable sources. A Blueprint has also been laid out for our very own Solar Farm to fulfill the needs of our Manufacturing Plants.

We take our management systems for occupational health and safety (OH&S) very seriously at our company. The members of our team are truly our biggest assets & to inculcate a culture for their Health & Safety is our biggest priority. We were accredited with the said certification in 2020 which is a proof of our strong emphasis on the wellbeing every member of the Balu Family proving a very safe & healthy working culture & environment.

CORE COMPETENCY

Unifying the Capability of the Organization

The Core Competencies which distinguish us from our competitors & the pillars which have ensured the building of a strong brand worldwide are as below:

Complete CNC manufacturing capability

Over three decades of experience in Precision Engineering

Diversified Product Portfolio & Applications

Supplier of choice for OEMs

State of the Art Manufacturing set up

In-house tool room

In-house Metallurgical lab

Dedicated R&D Facility

Strong Emphasis on New Energy Vehicles & Components

All machining & forging operations in-house

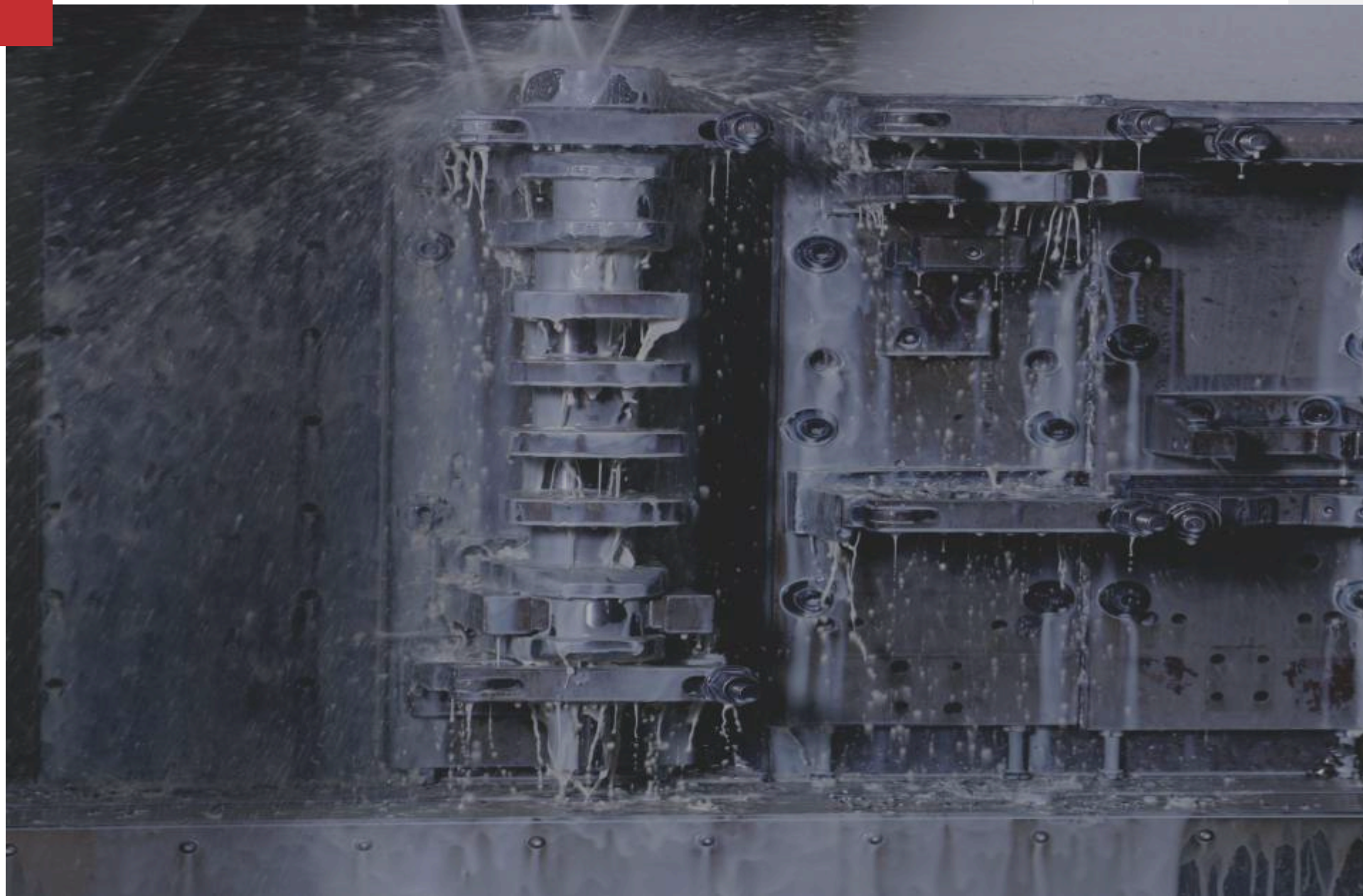
Well established brand worldwide

Fully Integrated Plant providing full supply capability to its Geographically dispersed customers from concept to Product design, engineering, manufacturing, testing & validations, Highly skilled work force with a technologically advanced plant

In-house capability to manufacture a product from 2 Kgs to 1500 Kgs & upto 3 meters long

Supply base comprising over 25 OEMs both in India & overseas

Aftermarket customer & distributor base in over 86 countries



GLOBAL PRESENCE

Connecting industries worldwide

Balu Forge has built a strong global presence, supplying precision engineered and forged components to customers across multiple industries worldwide.

Backed by long-term partnerships and a commitment to international quality standards, we consistently deliver reliable solutions that enhance customer value and trust.



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CONTINENTS

80+

COUNTRIES

FORGING CAPACITY
150,000+ MTPA

MACHINING CAPACITY
80,000+ MTPA

16T
HAMMER

BFIL
OVERVIEW 

Integrated Forging & Precision Machining Excellence



BFIL Greenfield Manufacturing Facility



A state-of-the-art **46-acre** facility in Belgaum, equipped with advanced **7-axis** and **11-axis** CNC machining lines, delivering high-precision manufacturing at scale.

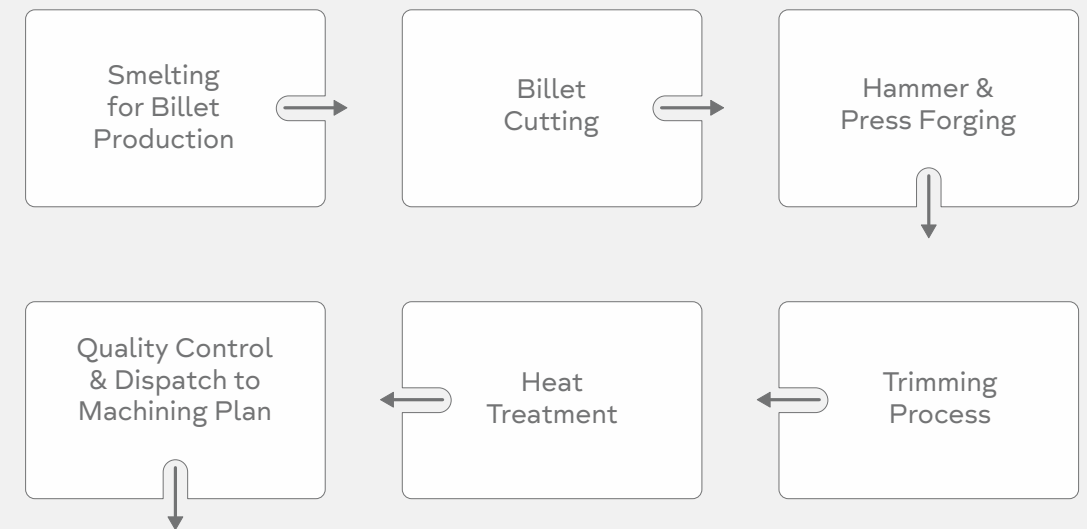


Our manufacturing strength is driven by advanced infrastructure, integrated processes, and robust quality control systems. With end-to-end capabilities in forging and precision machining, we deliver high-performance solutions across diverse industries, supported by continuous improvement and modern automation.

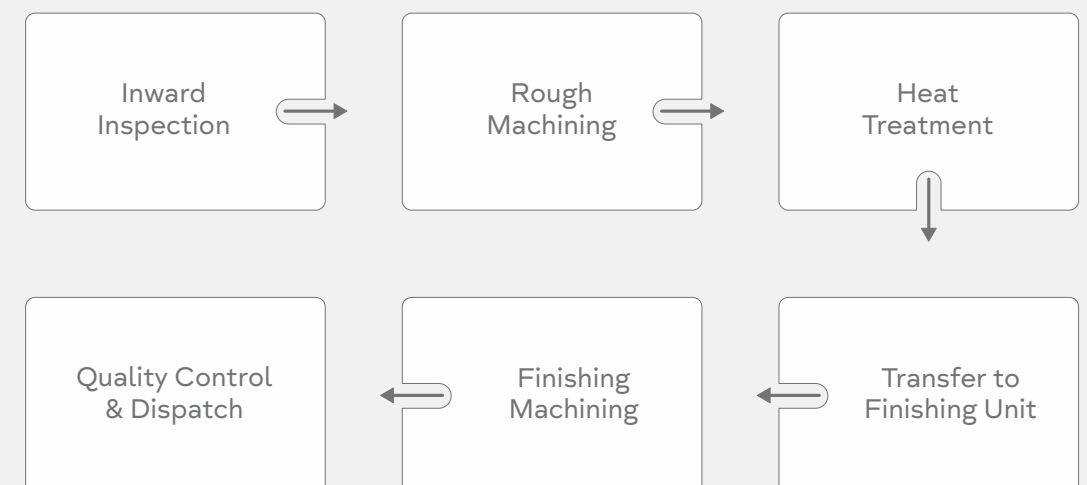


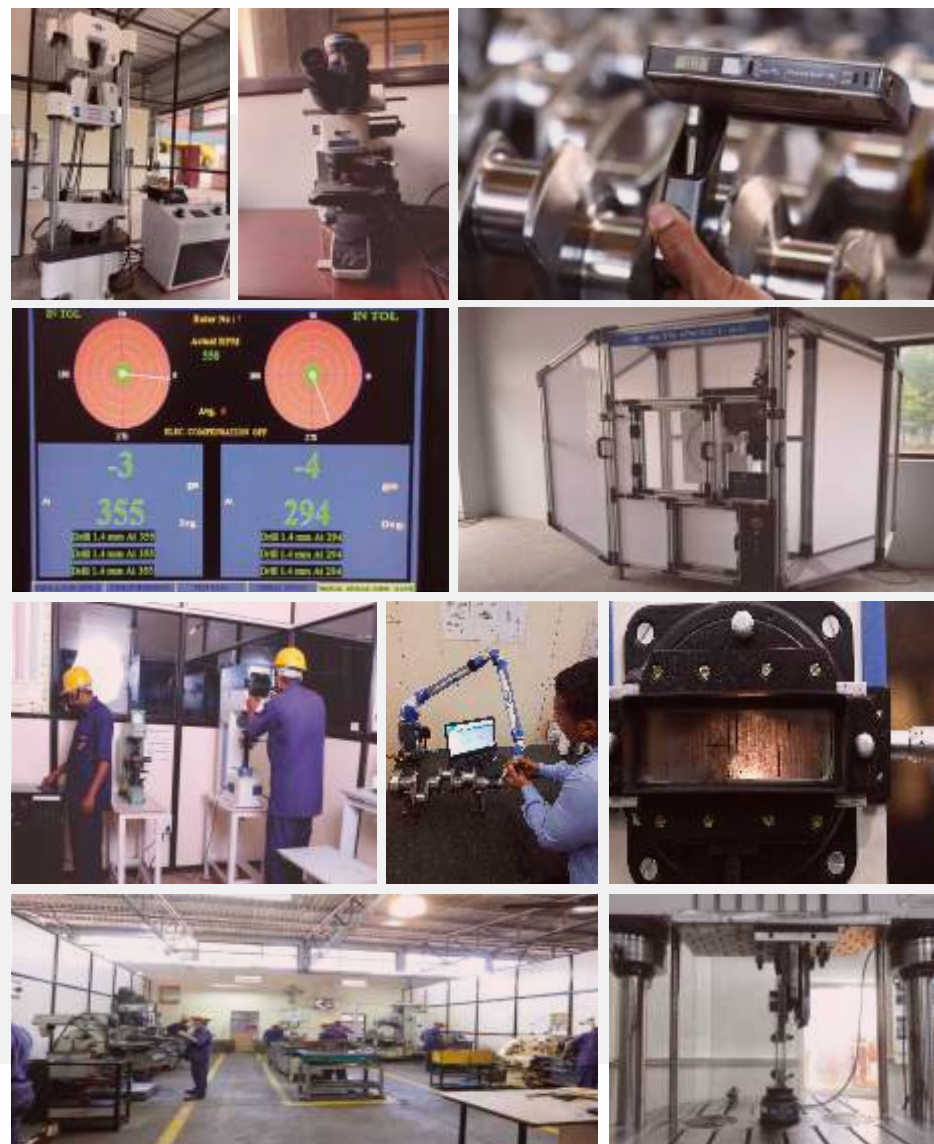
Manufacturing Process

Forging Plant



Machining Plant





Research & Development

State of the Art Machining

Our machining operations are powered by cutting-edge infrastructure featuring a fully equipped in-house tool room, advanced metallurgical laboratory, and dedicated design & process development capabilities. These are complemented by rigorous inspection and testing systems to ensure uncompromising quality at every stage.

Material Development

Our teams continuously study and advance material science analysing evolving metal chemistries, alloy compositions, and real-world applications. This enables superior component performance and opens new frontiers in precision engineering.

Product Engineering & Innovation

Driven by a relentless commitment to engineering excellence, we design and develop innovative forged components tailored to the evolving demands of automotive, defence, railway, aerospace, and energy industries.

Advanced & Additive Manufacturing

By integrating advanced and additive manufacturing technologies into our development process, we enhance production flexibility, significantly accelerate prototyping, and compress product development cycles.

In-House Tool Room & Metallurgical Lab

CUTTING EDGE TECHNOLOGY UNMATCHED STANDARDS OF QUALITY



CNC JOURNAL MILLING



CNC GRINDING



INDUCTION HARDENING



POST GRINDING OPERATIONS
FLANGE HOLE GEAR END
& TAPPING



DYNAMIC BALANCING



MASS CENTERING



SUPER FINISHING



OIL HOLE DRILLING

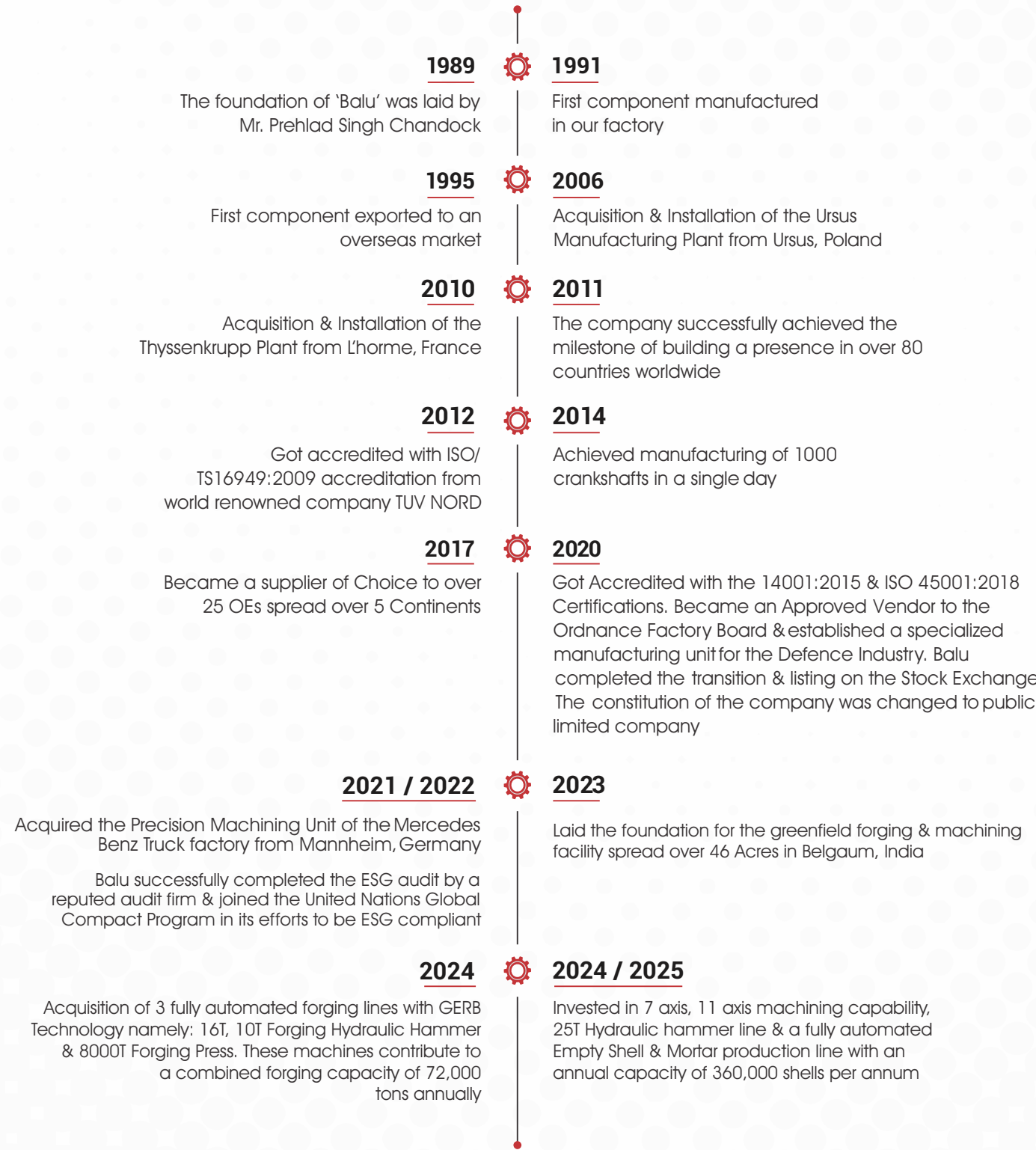


HELLER PIN MILLING

HISTORY

HOW WE STARTED BALU

We had a humble beginning in the year 1989 in Belgaum, India. The initial set up was for manufacturing of crankshafts for single cylinder & two cylinder with a limited workforce. Within the last decade the company is supplying to over 25 OEM companies and the aftermarket presence has since expanded to over 80 countries. In 1989, we were the first company in India to mass - produce Crankshafts suitable for Tractor, Trucks and Passenger car applications. Two decades later we have gained an excellent reputation in the world market with over 4 manufacturing facilities. The modern era of Balu upholds the reputation of durability by manufacturing Crankshafts only out of Forgings & precision components conforming to the New Emission Regulations & Mobility / Energy Space.



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ALLIS CHAMBERS				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
AC01	70280077		3 CYL	ALLIS CHAMBERS 160
AC02	71005059		4 CYL	ALLIS CHAMBERS 170, 175

ARMSTRONG				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
ARM01	SL0111301C		2 CYL	ARMSTRONG SIDDELEY WITHOUT COUNTER WEIGHT 20HP

CASE / INTERNATIONAL HARVESTER				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
IH01	3110995R91, 05700AB, 247-5143, 751303, 751303R2, 751303R3, 751303R5	D154, 154 C.I.D., 2.5 L/ D165, 165 C.I.D., 2.7 L/ D171, 171 C.I.D.	4 CYL	B-275, D-154, BD154, 144, 364, 384, 444 Tractors, 2424, S, SC, SE Tractors, 780, 880, 885, 4600 Tractors
IH02	3144626, 3132752R3, 2744406R1, 182752R2, 015C1, 015C11089, 247-5170, 37CR4, 6719N, IH625R2	D239, D T239 239 C.I.D. 3.9 L	4 CYL	WITH BALANCER GEAR 544, 684, 724, 744, 784 / D239 574, 674, 685 Backhoe 685 Tractor, TD7, TD7E, TD8C Crawler Tractors, TD8 Dozer
IH03	3228376R91, 218528R2, 218528R3, 218528R1, 528R2-79, A09-7292, 247-513	D268, D268, DT268 268 C.I.D., 4.4 L	4 CYL	WITH BALANCER 51 OB Loader Neuss Diesel
IH04	3132968R91, 1329196CI	DT206	4 CYL	WITH BALANCER GEAR 15M, 654, 554, 584, 624
IH05	3136036R95, 3059514R1, 6791N	D358, DT358 5.8 L	6 CYL	LOADER H 65C WITH COUNTER WEIGHT 826, 886, 955XC, 1420, 28263088, 3288 Wheel Tractors, Neuss Diesel
IH06	J908031, J918323	4390, 4T390 239 C.I.D	4 CYL	
IH07	3907804, 3929037, 3907604, 3908032	6-590, 359 C.I.D	6 CYL	MAXXUM 51 Series, MAXXUM MX Series
IH08			4 CYL	AVJ70 (Agricultural Tractor - AVJ Series) J X75 (Agricultural Tractor - JX Series) J X80 (Agricultural Tractor - JX Series) JX 85 (Agricultural Tractor - JX Series) JX 90 (Agricultural Tractor - JX Series) JX 95(Agricultural Tractor - JX Series) VJ70 (Agricultural Tractor - VJ Series) VJ80 (Agricultural Tractor - VJ Series)

CASE / INTERNATIONAL HARVESTER				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
IH09			3 CYL	JX1060CJX55 (Agricultural Tractor - JX Series) JX 60 (Agricultural Tractor - JX Series) JX 65 (Agricultural Tractor - JX Series)
IH010			4 CYL	CX100, CX70, CX80, CX90, MX 100 C, MX80 C, MX90 C

CATERPILLAR				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
CAT01	1W9771, 4N1112, 4N0012, 4N111X, 6N8290, 1W0400, 4N0111, 4N1111, 7N5137, 0R1206, 0R1209, 0R5024, 0R5164, 0R5474, 0R5560, 1W0400, 247-5130, 4N40012, 5430N	3204 5.2 L	4 CYL	D3, 910, 916, 926, 926E, 931 Loader Wheel Loaders: IT 12, IT 14, IT 18, IT 28 WITHOUT GEAR
CAT02	4N7692, 2P6217, 4N7694, 9S771, 2W7960, 2Y 4504, 5S5252, 0R1212, 2P7850, 0R1214, 2Y4515, 3Y1613, 2P1491, 0R5021, 5C3834V, 4N769, 2P1686, 0R5166, 5S3835, 0R5167, 2P6213, 0R5169, 5S5251, 4N7695, 2P6214, 0R5170, 247-5218,	3304 7.0 L	4 CYL	152.40mm Earthmoving machinery 112F, 120G, 130G Motor Grader, 215, 225 Excavator, 518 Skidder, 920, 930, 955L, 963 Loader, 922B, 944, 950 Wheel Loader, 941, 941B, 951, 951B Traxcavator, 951C, 955K, 955L Traxcavator, Crawler Tractor, Industrial, Marine Truck
CAT03	4N7693, 1P1391, 4N7696, 5C3837, 2W7458, 1W8356, 4P9857, 5S5870, 4P7827, 2P2824, 2Y4517, 5S5871, 3348389, 2P2842, 4P7458, 5Y1546, 4P7958, 2P6219, 1P1390, 6N8079, 5C3836, 2P6221, 8M4502, 9S3057, 2W7458, 2Y4507, 9S2270, SP6222, 2Y5206, 0R5018	3306 B, C, DI, SP, 1-6 10.5 L	6 CYL	152.40mm Earthmoving machinery D6, 966C, 120L, 140L / D60SR / D6AND / D60DD / 966R / D60OS / 572F, 572G Pipe Layers, 621R, 627, 627B, 814 Wheel Tractor, 814, 815, 816 Compactors, 966, 966C, 977L, 980, 980B Wheel Loaders, 977K, 977L Traxcavators, D5, D5B, D6, D6C, D6D, D7, D7F, D7G Crawler Tractor, 627, 627B, 637, 637B, 637D, 639, 639D Scraper
CAT04	2327400, 2337009, 3642829, 4P9948, 1397018, 7C8214, 071Z724149, Z13071, 2218057, 7C3184, 3131-5666	3054, 3056 4.0 L	4 CYL	127.00 mm Backhoe 416 AGCO / MASSEY: MF5300 / 5310 tractors 416, 416C Backhoe, Cat Compactor: 426B, CB534, CB534B, CB534C, CB545 Forklifts: TH62, TH63, TH82, TH83, TH103
CAT05	4P9121, 2219360	C15, 3406E	6 CYL	
CAT05A	3370201	C15 ACERT	6 CYL	

CUMMINS					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
CU01	3908032, 3929037, 3907804, 3915259, 3903828, 3905619, 3907604	6B / BT / BTA 5.9 L	6 CYL	Aspirated, Turbo, Turbointercooler 6B, BT, BTAC STROKE 120.0 mm Agco - Massey: Combine Harvester MF 3640 Case: Motor Graders 845, 888CK, W20E Fiat Allis: Track - Type Tractors FD130, 130 Excavator Loader Fx2150 - Grader FG140 Ford: Trucks F12000, F14000, F16000 - CARGO 1215, 1317, 1415, 1417, 1421, 1517, 1521, 1617, 1621, 1717, 1721, 2421 Komatsu: Machines for construction GDS23, PC150.5 Metso Dynapac: CA compactor 25 T Muller: TM Roller 14, T 522, VAP 70P, 701 Crandon: Trucks off road RK 410, 411, 610, 614H, 6812H Volkswagen: L Trucks 12,170 / 13,190 / 14,170 / 15,190 / 16,170 / 16,200 / 17,210 / 23,210 Volvo: Grader FG140	
CU02	3918986, 3910968, 3914584, 3917443, 3917320, 3904363, 3905625, 390562, 728533	6C / 6CT C SERIES 8.3 L	6 CYL	STROKE 135mm Aspirated engine / turbo / turbo - intercooler AGCO-MASSEY: Tractors MF6350, Mf6360 / Harvesters MF34, MF38 CASE: Combine Harvester F2388 - Loaders W36B / 821B / 9.250 - Tractors MX88 / M270 FIAT ALLIS: Tractors FD140 / FW200 / GS160 / 170 / 14CAD / FG65 / 95 / 105B / FR140 / 160-Graders Loaders 160-200 FG160-170-200 FORD: Trucks CARGO 1422 / 1622 / 1630 / 1722 / 2422 / 2425 / 2622 / 2630 / 2631 / 3222 / 4031 KOMATSU: Machines for construction WA320 / 629GB / D60 / PC150-153-155-200 / GD523-525-623 / 5D60 METSO DYNAPAC: Rollers Muller: TM Roller 17 / 26 / TC18 NEW HOLLAND: CS harvester 660 RANDON: Trucks off road RK628 VOLKSWAGEN: Trucks 14,210 / 14,220 / 16,210 / 16,220 / 16,300 / 17,220 / 17,300 / 17,310 / 23,220 / 24,250 / 26,220 / 26,260 / 26,300 / 35,200 / 40,300 - Chassis w / Bus 18.310 VOLVO: Grader VP 720	
CU04	3908031, 3907803 9P902148, 3903827 3863279, 3903830 3905617, 3929036 3863276	4 BT / 4B B SERIES 3.9 L	4 CYL	STROKE 120mm Aspirated engine / turbo / turbo intercooler FIAT ALLIS: 88.4 Backhoes FB / FB 100.4 FORD: Cargo Trucks 814 / 815 Vans F4000 / F1000 / F350 METSO DYNAPAC: CA compactors 50 / CC422 132 / 221CP	

CUMMINS					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
CU05	2830476, 3942441, 3929627, 4896766 2830477, 2830476, 4981642	QSB / ISBE 5.9L	6 CYL	STROKE 120.0 mm Electric engine For: Trucks : C1722E / C2422E / C2622E / C2628E Volkawagen : Trucks : 17250E / 24250E Iveco: Eurocargotector 170E22 / 170E25 / E25240 / 170E22 / E25260 / 23022 / 230EE24	
CU06	4925762, 3681911, 3608889 4923646, 4330732	IS QSX15 X15	6 CYL		
CU07	3064291	N14	6 CYL		

DAF					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
DAF01	2007501, 1684102, 1425366	MX CF85IV / XF105	6 CYL		
DAF02	1653898	85 CF / CF 85 95 XF / XF 95	6 CYL		

DAVID BROWN					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
DB01	K961007, D917985, 5321N	3.0 L	4 CYL	MODELS 990, LATE, AD 4/49	
DB02	K210100, D905196, K179935, 917935, 2338423, 961007, 666000, 908453	3.6 L	4 CYL	MODELS 990 EARLY, 995, 996, 1200, 1210, 1212, AD4 / 55, 12-1390, 1410, 1412 SMALL MAIN	
DB03	K928415, K928416, 43322, D928	3.6 L	4 CYL	LARGE MAIN AD4155, 1410, 1490, 1494	

DEUTZ - MAGIRUS				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
DZ01		F1L 411	1 CYL	5 H.P. COUNTER WEIGHT OPTIONAL
DZ02	02233635	F1L 511 7.7 H.P.	1 CYL	COUNTER WEIGHT OPTIONAL
DZ03	04152745, 20050551102	F2L 511 / D / W	2 CYL	WITH COUNTER WEIGHT AND SCREWS GEAR AVAILABLE
DZ04	04152591, 0223, 2854, 02929337, 3371552, 20050591203	F2L 912 / D / W	2 CYL	WITH COUNTER WEIGHT GEAR AVAILABLE
DZ05	04152646, 02929338, 210556, 2136928, 2931044, 7513N	F3L 912 / D / W 2.8 L	3 CYL	6240,2250 WITH COUNTER WEIGHT AND SCREWS GEAR AVAILABLE
DZ06	0415 2903, 0213 8819, 0292 9340, 02931301, 04150169, 04152650, 04232745, 02931044, 20050591204	F4L 912 / D / W	4 CYL	WITHOUT CENTER GEAR WITH COUNTER WEIGHT MINIBUS
DZ06A	0415 2903, 0213 8819, 0292 9340, 02931301, 04150169, 04152650, 04232745, 02931044, 20050591204	F4L 912 / D / W	4 CYL	WITHOUT CENTER GEAR INTEGRATED COUNTER WEIGHT MINIBUS
DZ07	04152646, 02929338, 20050591214, 2931048, 7514N	F4L 912 3.8 L	4 CYL	WITH GEAR BIG MAIN / CONNECTING WITH COUNTER WEIGHT
DZ08	04151011, 02929342, 2136932, 20050591206, 04151011	F6L 912 / D / W	6 CYL	ASPIRATED WITH COUNTER WEIGHTS AND SCREWS GEAR AVAILABLE
DZ09	02929345, 02139405	BF6L 913 / C / T	6 CYL	ASPIRATED TURBO WITH COUNTER WEIGHTS AND SCREWS.
DZ11	4270236	1011F	4 CYL	BF 4M 1011 / 2011 STROKE 112 mm CONNECTING PIN-55mm

DETROIT DIESEL				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
DD01	4710300401, 4710310701	DD13	6 CYL	
DD02	4720310301	DD15	6 CYL	
DD03	23515598	S60 / 12.7	6 CYL	
DD03A	23527771	S60 / 12.7	6 CYL	
DD04	4700300101	DD09	6 CYL	

DOOSAN				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
DO01	7386493, 70303237	D24	4 CYL	WITH GEAR

EBRO FORDSON				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
EF01	EIADDN6303F, 81710532, 66040	3.010 4D 592 E	4 CYL	MAJOR & SUPER MAJOR POWER MAJOR, MAJOR PETROL FORDSON SERIES D FORD THAMES MODEL 220

ERKUNT				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
ER01	20147542		3 CYL	Erkunt / Perkins 1103
ER02	4181V017, ZZ90236		3 CYL	Erkunt / Perkins 1103 / 1003B-33 / 103C-33T Lip Seal (Gear End: 3 Holes, Keyed, Flange: 6 Holes, 1 Dowel)
ER03	ZZ90237		4 CYL	Erkunt / Perkins 1104 / 1004
ER04	ZZ90222, ZZ90239		4 CYL	Erkunt / Perkins 1004 / 1104 Lip Seal (Gear End: 3 Holes, Splined, Keyed, Flange: 10 Holes, 1 Dowel)

FIAT IVECO TRACTOR				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
FT02	4785106		3 CYL	480, 480S, 540 / 8035-01, 02, 04 MAIN 76.2 MM CON 58.75 MM STROKE 110 MM FLANGE 110 MM / FLANGE HOLE-07 (Gear Available)
FT04	4785111, 98461246, 5088486, 99464932		3 CYL	45-66 (66 Series) / 45-76 (76 Series) 50-66 (66 Series) / 55-46 (46 Series) 55-56 (56 Series) / 55-65 (65 Series) 55-66 (66 Series) / 55-75 (75 Series) 55-76 (76 Series) / 55-85 (85 Series) 55-86 (86 Series) / 55-88 (88 Series) 55-90 (90 Series) / 56-66 (66 Series) 60-46 (46 Series) / 60-56 (56 Series) 60-65 (65 Series) / 60-66 (66 Series) 60-75 (75 Series) / 60-76 (76 Series) 60-85 (85 Series) / 60-88 (88 Series) 60-90 (90 Series) / 60-93 (93 Series) 60-94 (94 Series) / 62-85 (85 Series) 62-86 (86 Series) / L60 (L Series) (Gear Available)
FT05	4602840, 1930130, 4653850		3 CYL	450 TRACTOR, MAIN 76.2 MM, CON-58.75 MM STROKE- 110 MM, FLANGE 95 MM FLANGE HOLE-06 SHORT, WEB GROVE ON 4TH MAIN (SUITABLE FOR MIDDLE EAST MARKET) (Gear Available)
FT07	4653287	8040.02	4 CYL	FIAT 50 NC LORRY 6 Holes-Flange 95 mm CLASSIC TRACTORS-550 / 600 / 640 / 666 / 670 / 680 (Gear Available)
FT08	98451527, 098449226, 504075031	8040.05 8040.25	4 CYL	50.9-65.12 ZETA / 65E10-75E12, 50NC 85.12 / 65.9 / 35.9, Suitable for tractor MAIN-79.8 MM CON-63.75 MM STROKE-115 M, FLANGE 114 MM FLANGE HOLE-07 (Gear Available)
FT09	4785110, 4785304, 98451529, 5088487		4 CYL	65-66 (66 Series) / 65-90 (90 Series) 65-93 (93 Series) / 65-94 (94 Series) 70-66 (66 Series) / 70-66 F (66 Series) 70-76 F(76 Series) / 70-90 (90 Series) 72-93 (93 Series) / 72-94 (94 Series) 80-66 (66 Series) / 80-66 F (66 Series) 80-76 (76 Series) / 80-76 F (76 Series) 80-90 (90 Series) / 82-93 (93 Series) 82-94 (85-90 (90 Series) / 88-93 (93 Series) 88-94 (94 Series) / L65 (L Series) L75 (L Series) / L85 (L Series) / L95 (L Series) (Gear Available)
FT11	4785107	8060, 8065.25	6 CYL	95.14.1-109.14.1-110.14- EUROCARGO 116136 CV-FIAT 150NT

FORD				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
FO01	C5NE6303R, ECNN63038A, C5NE6303L, C5NE6305, EONN6303AA, 1590N, 247-5215	D175, D183, D192, BSD329	3 CYL	FORD 3000 SERIES STROKE 4.2" 2000, 2100, 2110, 2120, 2300, 230A, 2310, 234, 2610, 2910, 3000, 3000 Super Dexta, 3055, 3100, 3110, 3120, 3150, 3190, 3230, 3300, 3310, 333, 3330, 335, 336, 340, 340A, 3400, 3500, 3550, 3600, 3610, 3900, 3910, Gas 4000 Series
FO02	FONN6300MA, C5NE-6303N, C5TE6303, E5NN6306N, E5NN6303AA, FONN6303BA, 83956951, 1591N	BSD333 3.3L	3 CYL	FORD 4000 SERIES 245D, 250C, 260C, 3930, 3930H, 3930N, 4130, 420, 4400, 445, 445C, 445D, 4500, 4630, 515, 530A, 531, 535, 540, 545, 4000, 3930NO, 4000 Major, 4100, 4110, 4130, 4130N, 4130NO, 4140, 4190, 4200, 4330, 4340, 4400, 4410, 4500, 4600, 4600SU, 4610, 4610SU, 4630, 260C, 455, 455C, 455D, 515, 530A, 531, 532, 535, 540, 540A, 540B, 545, 545A, 545C, 550, 555, 555A, 555B Skid Loaders : L783, L785
FO03	C5NE6303K, 1595N / 6110A	233, 256, BGD442	4 CYL	FORD 5000 SERIES STROKE 4.2" (AFTER 9/4/1986) GEAR 76 TEETH Super Major 5000, 51 00, 5190, 5200, 5500, 5550, 5600, 6510, 5700, 6000, 650, 655, 6500, 6600, 6610, 6700, Combines : 620, 622, Loaders : A62, 750, Dorsett Wheel Tractors : 7000, 7100, 7200, 7500, 7600, 7610, 7700, 7710
FO05	E5NN6303DA		4 CYL	FORD 6010 SERIES STROKE 4.4" GEAR 78 TEETH / 6610, 5640
FO06	C5NE6303K, 1595N, 6110A	233, 256, BSD442	4 CYL	FORD 5000 SERIES STROKE 4.2" (BEFORE 9/4/1986) Major 5000, 5600, 6600, 7000, 7600, 7700 Super Major 5000, 5100, 5190, 5200, 5500, 5550, 5600, 5610, 5700, 6000, 650, 655, 6500, 6600, 6610, 6700, Combines : 620, 622 Loaders: A62, 750, Dorsett
FO07	D9NN6303AA, E5NN6303FA, NN6303CB, E5NN6303DA, E5NN6303CA, D9NN6303A, D5NN6303A, 1598N, D9NN6110AA	D268, BSD444, 655	4 CYL	FORD 6000 / 7610 SERIES STROKE 4.4" GEAR 78 TEETH (PRIOR TO 9/4/1986) 6000, 6600, 6610, 6700, 6710, 7000, 7600, 7610, 7700, 7710, 7200, 7100, 7500 Loader: A62 Dorsett Diese
FO08			4 CYL	4230 (30 Series) / 4330, 4430 (30 Series) / 4835 (35 Series) / 5010S (10 Series) / 5635 (35 Series) / 6635 (35 Series) / 7635 (35 Series) / L65 (L Series) / L75 (L Series) / L85 (L Series) / L95 (L Series) / TD75D (TD Series) / TD80 (TD Series) / TD80D (TD Series) / TD85D (TD Series) / TD90 (TD Series) / TL100 (TL Series) / TL70 (TL Series) / TL80 (TL Series)/ TL90 (TL Series) / TN65F (TN Series) / TN70F (TN Series) / TN75F (TN Series) / TN75FA (TN Series) / TN80 (TN Series) / TN85FA (TN Series) / TN95F (TN Series) / TN90F
FO09			3 CYL	3010S3435 (35 Series) / 3830 (30 Series) 3935 (35 Series) / 401 0S4030 (30 Series) / 4135 (35 Series) / 4635 (35 Series) / 5010STD55DTD60 (TD Series) / TD60DTD65DTL65 (TL Series) / TN55 (TN Series) / TN55DTN60ATN65 (TN Series) / TN70(TN Series) / TN75 (TN Series)

FORDFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
FO11	957E6303 E2006TP		3 CYL	Dexta, Super Dexta Ford New Holland
FO12			4 CYL	F250 / F350

HATZFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
HAT01	333901119		1 CYL	E89 (PANCAR MOTOR)
HAT02	425900349		2 CYL	Z108 (PANCAR MOTOR)
HAT03	13000202249		1 CYL	E75 (PANCAR MOTOR)
HAT04	10461902272		2 CYL	E780 (PANCAR MOTOR)
HAT05	00010R0080, 01008		2 CYL	E780 / RUGGERINI RY120-E 78

HINDUSTAN SUPERFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
HS50			4 CYL	HINDUSTAN SUPER 50

HINOFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
HN01	13411-1592		4 CYL	HIN04D / HINOW04D
HN02	X3310211		6 CYL	HIN06D Also suitable for Ashok Leyland 6D engine Hino H07C
HN03	F3349611		6 CYL	HIN06E Also suitable for Ashok Leyland 6E engine

HYUNDAIFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
HU01	2311142002, 2311142901		4 CYL	D4BB H-100 Minibus GALLOPER / H / HR 100
HU02	2310041700		4 CYL	D4AA / D4FB / D4DA HD72 / HD77 H350 TRUCK NEW MIGHTY

HYUNDAIFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
HU03	2310041001		4 CYL	D4DE / D4AF Old Mighty

IFAFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
IFA01	069201 2795971006	W50	4 CYL	BOLTED COUNTER WEIGHT FORT SCHRITT 300-303

ISUZUFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
ISU01	8971129812, 8971465202, 8971129813		4 CYL	4HF1 / 4HG1 NPR66 CHAMPION
ISU02	8980292701, 8973515343		4 CYL	4HE1 NPR
ISU03	8980292700, 8973525342		4 CYL	4HE1 / 4HK1T / 4HK1 NQR70 / 6T TRUCK NPR 70 / 8T TRUCK
ISU04	8973318530		4 CYL	4JB1T 5.2T TRUCK NKR55E
ISU05	8944436620, 8944552401, 8970236620		4 CYL	4JA1 / 4JB1 NKR

JAGUARFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
JG01	AJV6D	3.0L	6 CYL	JAGUAR XF CRANKSHAFT

JCBFORGED				
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
JCB01	02101825		4 CYL	Loader 410, 520, 525-58, 525-67, 530-110, 530-120, 530-95 Loading Shovel 412, 415 Sitemaster 3C / Sitemaster 3CX / Sitemaster 3D Sitemaster 3D / Sitemaster 4C, 4CN Telescopic Handler 520, 525, 530, 140, 1400 B, 1550 B, 214, 409 TM, 502-22, 506-36, 520 HL, 520 M, 525 B, 525 B-HL, 530 B, 540 B, 540 BM, 811, 909 Turbo, 910, TM200

JOHN DEERE					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
JD01	AT8031, T23516, RE47637, RE46896, T20031, 247-5144, 6833N, T2351C, T23516T, T23517T	3-152, 152 C.I.D. 2.5 L 3-764, 164 C.I.D. 2.7 L 3-179, 179 C.I.D. 2.9 L	3 CYL	940, 1020, 1030, 1040, 1120, 1130 1140, 1520, 1530, 1630, 2020, 2040, 2150, 2155, 2240, 2255, 2355NCS, 2355NTSS, 300, 300A, 300BT, 301, 3018, 302A, 3029, 3029D, 310, 350 (Gear Available)	
JD01A	247-5225, 6897N RE50979, RE521348, R101223	3-179 / 3029 Power Tech 179 C.I.D., 2.9 L	3 CYL	2155, 2355N, 2240, 5105, 5205, 5200, 5300, 5400, 5210, 5310,5310N, 5410, 5510,5510N, 5220, 5320, 5320N, 5400N, 5500N, 420, 5420N, 5520, 5520N Tractors, 240, 250, 260, 270, 8875 Skid Steer Loaders, 300 Series (Gear Available)	
JD02	AT18030, T23517, R23517, R81959, R94644, RE48748, 23909, 247-5154, 6826N, 97926, 97928, R979266, T23266, T23480T, T23517T, T28743T	4-202, 202 C.I.D., 3.3 L 4-219, 219 C.I.D., 3.6 L 4-239 (Early) Below SN 769,619 239 C.I.D., 3.9 L	4 CYL	SHORT NOSE 36 MM 1640, 1830, 1840, 2020, 2030, 2040, 2040S, 2120, 2130, 2100, 2250, 2270, 2280, 2320, 2355C2, 2355TSS, 2360, 2420, 2450, 244E, 2510, 2520,2523, 2555C2, 2650, 2730, 2735, 2750, 2755CS, 2755TSS, 2850, 2855N, 290D,370, 310B, 310C, 310D, 315C, 3300, 34, 3430, 3830, 401, 401A, 401B, 401C, 401D, 4020, 4030T, 4039D, 4039T, 400, 410, 410B, 515B, 44, 440, 440A, 440B, 450, 450A, 450B, 450C, 450D, 454, 455D, 480, 480A, 480B, 480C, 482C, 490, 499, 515B, 6040, 6200, 6300,6602, 6620, 6622, 70, 70D (Gear Available)	
JD03	RE20585, RE36605, RE23909, R97926, R97928, R121018, R81959, R979266, RE65224	4-219 / 4-039 / 4-239 (Late) Above SN 769,620 239 C.I.D., 3.9 L	4 CYL	LONG NOSE 60 MM, 2755, 6040, 4039, 190 Excavator, 300 D, 310 C, 315 C Loader / Backhoe (Gear Available)	
JD04	AT22562, T-23266, RE502190, RE45541, RE47640, RE48330, R108568, R108679, R45541, 247-5058, 6837N, F1910R, F2729R, F2792R, F3315R, F3560R, F3561R, R26550, R26550R, R40730, RE45541, RE54130, T2, 264T, T23266T, T23299T, T23480T, T23517T, RE502190	6-303 5L 6-329 5.4L 6-359 5.9L 6059D/T / A 5.9L	6 CYL	3030, 3040, 3120, 3130, 3640, 4040S, 2840, 2940, 2950, 2955, 3130, 3140, 3150, 3155TSS, 4030, 4200, 4400, 4420, 4425, 444, 444C, 444CH, 444D, 499, 540, 540A, 540E, 540G, 544, 544A, 544C, 544D, 544E, 544G, 548E, 570, 570A, 570B, 710B, 710C, 710D, 6059D, 5049T, 699, 7484, 9900, 9910, 9920, 9930 (Gear Available)	
JD05	RE54883, RE33485 (OLD) / R90825D, R120009, 247-5156, 6852N, R121018, RE55452	4-276 / 4-276T / 4-045 / 4-045T / 4045D, 276 C.I.D. 4.5L	4 CYL	LONG NOSE 60MM, 410D, 440G, 510D Loader 490E Excavator, 540E Skidder, 548E Grapple / Skidder (Gear Available)	
JD06	RE56792, RE71439, R54501, 247-5158, 6812N, R108657, R54501R	4.276 / 4.276T	4 CYL	340D, 440C, 448D, 540B, 540D, 548D Skidder, 344E, 410C, 444E, 510B, 510C, 610, 610B, 610C, 650G Loaders 450E, 450G, 455E, 455G, 550, 550A, 550B, 550G, 555, 555A, 555B, 55G Crawlers, 490D, 493D, 495D, 590D, 595, 595D Excavator, 2630, 2640, 6215, 6415 (Gear Available)	

JOHN DEERE					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
JD07	RE45517, RE33687 (OLD), RE4619, RE63024, RE502191, R54619, 247-5132, 6820N, R104523	6.414D, 6.414T 6.8 L / 6068, 6068D, 6068T 6.8L	6 CYL	414, 414D, 544B, 544C, 544D, 624E, 624G, 640, 640D, 640E, 643, 643D, 648D, 648E, 648G, 653, 655B, 670, 670A, 670B, 672A, 672B, 690D, 690E, 693D, 750, 750B, 750C, 755, 755A, 755B, 790E (Gear Available)	
JD08	RE50618, RE504638, R113596, 247-5213, 6858N	4045, 4.5 L Powertech	4 CYL	SINGLE STEP TC444H, 120, 21OLE, 31OE, 310G, 310SE, 31OSG, 315SE, 315SG, 41OE, 410G, 444H, 450G, 450H, 455G, 485E, 486E, 488E, 550G, 550H, 555G, 6410, 6410L, 650G, 650H, 5403, 5410, 5415, 5415H, 5420, 5420N, 5425, 5425N, 5510, 5510N, 5520, 5520N, 5525, 5525N, 5605, 5615, 5705, 5715, 5715HC, 6110, 6110L, 6120, 6120L, 6210, 6210L, 6215, 6220, 6220L, 6310, 6310L, 6310S, 6320, 6320L, 6403, 6405, 6410S, 6415, 6420, 6420L, 6510L, 6510S, 6520L Skid Steers: 260, 270, 280 Sprayers: 6700 (Gear Available)	
JD08A	RE50618, RE504638, R113596, 247-5213, 6858N	4045, 4.5 L Powertech	4 CYL	DOUBLE STEP TC444H, 120, 21OLE, 31OE, 310G, 310SE, 31OSG, 315SE, 315SG, 41 OE, 41 OG, 444H, 450G, 450H, 455G, 485E, 486E, 488E, 550G, 550H, 555G, 6410, 6410L, 650G, 650H, 5403, 5410, 5415, 5415H, 5420, 5420N, 5425, 5425N, 5510, 5510N, 5520, 5520N, 5525, 5525N, 5605, 5615, 5705, 5715, 5715HC, 6110, 6110L, 6120, 6120L, 6210, 6210L, 6215, 6220, 6220L, 6310, 6310L, 6310S, 6320, 6320L, 6403, 6405, 6410S, 6415, 6420, 6420L, 6510L, 6510S, 6520L Skid Steers: 260, 270, 280 Sprayers: 6700 (Gear Available)	
JD09	RE506195 R503715	4045 4.5L PowerTech	4 CYL	Tractors: 310J, 310SJ, 344H (SN800000>), 3800, 410J, 444J (Tier III SN611275>), 450J (Tier III SN159987>), 550J (Tier III SN159987>), 650J (Tier III SN159987>) European: SE6010, SE6020, SE6110, SE6120, SE6210, SE6220, SE6310, SE6320, SE6410, SE6420, 5415, 5510, 5510N, 5515, 5605, 5615, 5620, 5705, 5720, 5820, 6010, 6020, 6110, 6110L, 6120, 6120L, 6130, 6205, 6210, 6210L, 6215, 6220, 6220L, 6225, 6230, 6230 PREMIUM, 6310, 6310L, 6310S, 6320, 6320L, 6325, 6330, 6330 PREMIUM, 6405, 6410, 6410L, 6410S, 6415 (Eng SN 196071>), 6420, 6420L, 6420S, 6425, 6430, 6430 PREMIUM, 6510L, 6510S, 6520L, Brazil: 5403 (Eng. SN 006876>) (Gear Available)	
JD10	AR96189, R26540, R26560, R56919, R56934, RE63451, RE53422, RE26560R, R40570, R40740R	6076 Early, 6404 Late Above SN215,000, 6.6 L, 6466 Early Below SN499,000, 7.6 L	6 CYL	4010 Early, 4020, 4040, 4230, 4240, 4320, 4430, 4620, 4630, 7020 SHORT NOSE 3" (Gear Available)	

JOHN DEERE					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
JD11	RE42674, AR26431, R26560, RE63292, 247-5137, 6822N, R26549, R26560, R4074R, R53203	6.404 Early SN BELOW 21 4, 999 6.6 L	6 CYL	600 Wheel Loader 4000, 4010, 4020, 4230, 4230, 4430, 4630 Wheel Tractors, 600, 644, 644A, 646, 646B, 690, 690A, 690B, 693B, 740 (Gear Available)	
JD12	6857N, R104855, R26560, R26560R, RE42675, RE53203, RE53477, R56506, R56919, R56934, R56979, R63451, R87544A	6466 / 6076 Late	6 CYL	SHORT NOSE 4000, 4010, 4020, 4040, 4230, 4240, 4430, 4440, 4450, 4630, 4640, 4650, 466, 4830, 4840, 4850, 4960, 5460, 5720, 5730, 600, 6076, 644, 644A, 5720, 5730, 600, 6076, 644, 644A, 644C, 644D, 646C, 690, 690A, 690C, 693C, 740, 740A, 743, 743A, 762A, 762B, 7700, 7720, 770A, 770B, 772A, 772B, 790, 790D, 792, 793D, 8430, 8440, 8450, 850B, 8820, 892D, 9950 (Gear Available)	
JD13	R104855, RE53201, RE42671,R E63293, 247-5164, 6855N, R26506, R26506R, R56919, R87544, RE27132, RE42675, RE53199, RE53201, RE53291, RE53292, RE63293, Rg23551	6076 Late 7.6 L ABOVE SN 187, 658	6 CYL	LONG NOSE 4455, 4555, 4755, 4760, 4955, 4960, 6076, 6076A, 6076D, 6076H, 6076T, 644E, 644EH, 644ER, 644G, 740E, 748E, 748G, 7700, 7800, 8560, 8570, 892E, 9960 (Gear Available)	
JD14			4 CYL	Agricultural Tractor-2000 series 2000, 2100, 2200, 2300	

KAMAZ					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
KAM01	740.62-1005020	740 Series	6 CYL	Motor V-8 V-8 Engine, Restricted Sales in Russia	

KAWASAKI					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
KA01	EZGO603531		1 CYL	KAWASAKI engine for EZGO gas 2008-up RXV	
KA02	EZGO 72503-G01 CART PARTS CP72503-G01		2 CYL	Crankshaft 350cc for EZGO gas 1996-02	
KA03	CART PARTS CP17443-G1		1 CYL	EZGO gas 2Cycle 1980-88	
KA04	CART PARTS CP1019223-01		1 CYL	Crankshft with clockwise rotation for Club car gas 1997-03 DS and precedent FE290	

KIRLOSKAR					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
KIR01	2H002100		2 CYL	KIRLOSKAR HA2 GEAR AVAILABLE	
KIR02	3H002100		3 CYL	KIRLOSKAR HA3 GEAR AVAILABLE	
KIR03	4H002100		4 CYL	KIRLOSKAR HA4 GEAR AVAILABLE	
KIR04	6H002100		6 CYL	KIRLOSKAR HA6 GEAR AVAILABLE	

KOMATSU					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
KO01	6732-31-1100	4D102	4 CYL		
KO02	6735-01-1310	6D102	6 CYL		
KO03	6745-31-1120	6D114	6 CYL		

KUBOTA					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
KU01	1532, 23010		3 CYL	L295/295DT TRACTOR	
KU02	1G962-23012	D902	3 CYL		

LADA					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
LA01	BA869699		4 CYL	LADA PETROL FIAT 1100	

LAND ROVER					FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS	
LR01		3.0 TD	6 CYL	LAND ROVER DISCOVERY SDV6	
LR02		3.0 L 2.7 L	6 CYL	RANGE ROVER TD V6 / RANGE ROVER SPORT	

LEYLAND				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
LEY01	F3336611, CCJ0004	400 / 401 / 402 / 411	6 CYL	BRITISH LEYLAND U.K. ASHOK LEYLAND BMC LEYLAND
LEY02			3 CYL	LEYLAND 245, 253
LEY03			3 CYL	LEYLAND MARSHALL 502

LISTER PETTER				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
LP01	201-47542	TR1	1 CYL	T RANGE
LP02	202-47542	TR2 / TX2	2 CYL	T RANGE
LP03	203-47542	TR3	3 CYL	T RANGE

LOMBARDINI				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
LOM01	1052595		1 CYL	3LD510 (Long Type/Flywheel Teeth-Right/Motor Type-Left)
LOM02	1051068		1 CYL	3LD450 (Short Type/Flywheel Teeth-Right/Motor Type-Left)
LOM08	1053097		1 CYL	3LD450 (Short Type/Flywheel Teeth-Right/Motor Type-Left)
LOM09	1051082		1 CYL	3LD510 (Short Type/Flywheel Teeth-Left/Motor Type-Right)
LOM10	1051083		1 CYL	3LD510 (Short Type/Flywheel Teeth-Right/Motor Type-Left)
LOM11	1050055		1 CYL	3LD450 (Long Type/Flywheel Teeth-Left/Motor Type-Right)

LONG TRACTOR				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
LG01	TX10170 TX15106		3 CYL	2360, 2360DTC, 2460, 2460DTC, 2460SD, 2460SDDTC, 2510, 2510DTC, 2510SD, 2510SDDTC, 350, 360, 360C, 445, 445DT, 445SD, 445V, 460, 460DT, 460SD, 460V, 510, 510DT

MWM				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MW01	922681400016, 922681400018	D225/226/229	4 CYL	Stroke 120.0 mm No center gear / balancer
MW02	622801400145, 622881400148	TD229 Turbo	4 CYL	MaxxForce Engine 4.0 Stroke 120.0 mm / No gear

MACK				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MA01	456GC2125, 456GC5113, 456GCF586	E-6	6 CYL	

MAHINDRA AND MAHINDRA / INTERNATIONAL HARVESTER				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MM-IH-101	55570540R11	275D1 / T4 SERIES	3 CYL	
MM-IH-102	5557055	265DI	3 CYL	REGULAR BS
MM-IH-103	5553039	475DI	4 CYL	REGULAR BS 780, 880, 885, 4600 Tractors

MAHINDRA AND MAHINDRA				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MM104		XD3P 2.5L	4 CYL	MAHINDRA BOLERO
MM105		MDI3200 2.6L	4 CYL	MAHINDRA BOLERO

MAZDA				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MZ01	SL0111301C		4 CYL	PICKUP VAN / SWARAJ MAZDA
MZ02	SL5011301A/B		4 CYL	SL, T3500

MERCEDES - BENZ				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
OM02	3140306202, 3140306002, 3140305502, 3140303302, 3140304902, 3140304402	OM314	4 CYL	Trucks L608 / L708 Chassis w / bus LO603/ 608 LO / LO708 4 INTEGRATED COUNTER WEIGHTS KNURLED 97 MM
OM03	3140306102, 3140305202, 3140303202, 3140302002, 3140305501, 3140305002, 3140305205	OM314	4 CYL	Trucks L608 / L708 Chassis w / bus LO603 / 608LO / LO708 4 INTEGRATED COUNTER WEIGHTS SCROLLED 97 MM
OM06	3520303202, 3520307402, 3520303402, 3520306802, 3520300002	OM352	6 CYL	911B - SCROLLED (INTEGRATED COUNTER WEIGHTS) Trucks 1113 / 1114 / 1115 / 1118 / 1313 / 1314 / 1315 / 1316 / 1317 / 1318 / 1513 / 1514 / 1518 / 2013 / 2014 / 2016 / 2017 / 2213 / 2214 / 2216 / 2217 / 2218 / 2314 Chassis w / bus LO LPO - 1113 / 1114 / 1116 / OF IT 1115 / LO - OF - OM1313 / 314 / OF - OH1313 / 1314 / OF - OH1315 / 1318 / 1518 / LO - OH1317 97MM
OM06A	3520303402, 3520301502, 3520305802, 3520306802, 3520300002	OM352 / 353	6 CYL	SCROLLED COUNTER WEIGHT FASTENED WITH BOLTS. Trucks 1113 / 1114 / 1115 / 1118 / 1313 / 1314 / 1315 / 1316 / 1317 / 1318 / 1513 / 1514 / 1518 / 2013 / 2014 / 2016 / 2017 / 2213 / 2214 / 2216 / 2217 / 2218 / 2314 Chassis w / bus LO LPO - 1113 / 1114 / 1116 / OF IT 1115 / LO - OF - OM1313 / 1314 / OF - OH1313 / 1314 / OF - OH1315 / 1318 / 1518 / LO - OH1317 97MM
OM07	3520306402, 3520303702, 3520305802, 520307002, 3520304602, 3440304901, 3440306701, 3440319301, 3520300902, 3520307002, 3520307802, 3520308002	OM352	6 CYL	911 C - KNURLED (INTEGRATED COUNTER WEIGHTS) Trucks 1113 / 1114 / 1115 / 1118 / 1313 / 1314 / 1315 / 1316 / 1317 / 1318 / 1513 / 1514 / 1518 / 2013 / 2014 / 2016 / 2017 / 2213 / 2214 / 2216 / 2217 / 2218 / 2314 Chassis w / bus LO LPO - 1113 / 1114 / 1116 / OF IT 1115 / LO - OF - OM1313 / 1314 / OF - OH1315 / 1318 / 1518 / LO - OH1317 97MM
OM07A	3520303702, 3520304602, 3520305802, 3523037002, 3520306402, 3520307802, 3440304901, 3440306701, 3440319301, 3520300902, 3520308002	OM352 / 353	6 CYL	KNURLED COUNTER WEIGHT FASTENED WITH BOLTS Trucks 1113 / 1114 / 1115 / 1118 / 1313 / 1314 / 1315 / 1316 / 1317 / 1318 / 1513 / 1514 / 1518 / 2013 / 2014 / 2016 / 2017 / 2213 / 2214 / 2216 / 2217 / 2218 / 2314 Chassis w / bus LO LPO - 1113 / 1114 / 1116 / OF IT 1115 / LO - OF - OM1313 / 1314 / OF - OH1315 / 1318 / 1518 / LO - OH1317 97MM

MERCEDES - BENZ				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
OM08A	3640301102, 3640300702, 364 030 1302, 3640301402, 3640301201, 3740300002	OM 364 / A / LA	4 CYL	INTEGRATED COUNTER WEIGHTS Aspirated / Turbo intercooler Buses 610U / L709 / L710 / L712 / L912 / L915 Chassis w / bus LO712 / 812 - OF809 / 812 - LB814 / LN914 / 914ON / OF1114 / OF1214 97.5MM
OM09	3660311201, 3660300702, 366 030 1102, 3660301402, 3660301502, 3660301602	OM 366 / A / LA / G	6 CYL	8 INTER GRATED COUNTER WEIGHTS Trucks 1214 / 1218 / 1318 / 1418 / 1420 / 1614 / 1615 / 1618 / 1620 / 1621 / 1622 / 1714 / 1718 / 1720 / 1721 / 1723 / 2314 / 2318 / 2418 / 2420 Chassis w / bus OF 113 / 1115 / 1215 / 1315 / 1316 / 1318 / 1320 / 1721 / OH1315 / 1316 / 1318 / 1320 / 1721 / OH1315 / 1316 / 1319 / 1419 / 1420 / 1521 / 1620 / 0371 / UL-ULP1214 / 1418 / 1718 / 1721 / 2414 / 2418 97.5MM
OM09A	3660301102, 3660300702, 3660301402, 3660301502, 3660301602	OM 366 / A / LA / G	6 CYL	8 COUNTER WEIGHTS FASTENED WITH BOLTS Trucks 1214 / 1218 / 1318 / 1418 / 1420 / 1614 / 1615 / 1618 / 1620 / 1621 / 1622 / 1714 / 1718 / 1720 / 1721 / 1723 / 2314 / 2318 / 2418 / 2420 Chassis w / bus OF 113 / 1115 / 1215 / 1315 / 1316 / 1318 / 1320 / 1721 / OH 1315 / 1316 / 1318 / 1320 / 1721 / OH 1315 / 1316 / 1319 / 1419 / 1420 / 1521 / 1620 / 0371 / UL-ULP 1214 / 1418 / 1718 / 1721 / 2414 / 2418 97.5MM
OM11	3550306701	OM355	6 CYL	NORMAL ASPIRATED 8 BOLT HOLES - 1 DOWEL
OM12	3550306801, 3450301202	OM355T	6 CYL	NORMAL ASPIRATED 12 BOLT HOLES - 1 DOWEL
OM14	4420300801, 4420300301 4420300901, 4420300401	OM442 A / LA	8 CYL	V8 (MOTOR N° 470879>)
OM15	4220304401, 422303701, 4220304301	OM442 A / LA	8 CYL	V8 (MOTOR N°>470878)
OM18	6510301201, 6510300401	OM651	4 CYL	8 COUNTERWEIGHTS STROKE 99.00 MM EURO-3
OM18A	6510302501	OM651	4 CYL	4 COUNTERWEIGHTS STROKE 99.00 MM EURO - 5
OM18B				
OM24	4570300201, 4570310001 4960300001, 4660300501	OM457 LA / H LA / OM458	6 CYL	8 INTEGRATED COUNTERWEIGHTS MOD. AXOR I Engines OM447 and OM457 Trucks ATRON 1635 / AXOR 1933 / 2036 / 2041 / 2533 / 2536 / 2541 / 2544 / 2641 / 2644 / 2831 / 3341 / 3344 / 4141 / 4144 Older trucks: L2635 / LS1634 / 1935 / 1938/ 1941 / 1944 / 1945 / 2638 Chassis w / bus: 500 - MA - AU - UDA / MDA - RS - RSD / OH / OL1635 / 0371 / 0400 - MTU / STEMAC: Generators I Stroke 155mm
OM25	4570300401	OM457	6 CYL	94 mm CRANKPIN
OM28	9040300701, 9040300801 9040301101	OM904	4 CYL	Stroke 130.0mm / Rear Tip Diameter, Gear / Flywheel Mount, 103.0mm

MERCEDES - BENZ				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
OM29	9040300301, 9040300702	OM904	4 CYL	Stroke 130.0mm 1 Rear Tip Diameter, Gear / Flywheel Mount, 98.0mm
OM30	9240300101, 9240300601	OM924	4 CYL	Stroke 136.0mm 1 Rear Tip Diameter, Gear / Flywheel Mount, 103.0mm
OM31	9060300402, 9060300701, 9060300501, 9060300502, 9060300602, 9060300402, 9060301102, 9060300801, 9060301302, 9060300401	OM906	6 CYL	Stroke 130.0mm 1 Rear Tip Diameter, Gear / Flywheel Mount, 103.0mm
OM32	9060300301, 9060300701, 9060300702, 9060300801, 9060300902	OM906	6 CYL	Stroke 130.0mm 1 Rear Tip Diameter, Gear / Flywheel Mount, 98.0mm
OM33	9260300201, 9260300701	OM926	6 CYL	Stroke 136.0mm 1 Rear Tip Diameter, Gear / Flywheel Mount, 103.0mm
OM34	5410302101	OM501	6 CYL	Stroke 150.0mm 6-cylinder “V” engine
OM35	4710300401, 4710310701	OM471	6 CYL	
OM35A		OM471	6 CYL	Big Bore
OM36	4720310301	OM472	6 CYL	
OM37	4700300101	OM470	6 CYL	
OM38	6540302100	OM654	4 CYL	

MITSUBISHI				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MIT01			4 CYL	MITSUBISHI COLT T -120M -111 JAPAN
MIT02	ME013667	3.3 L	4 CYL	MITSUBISHI 4D31 / 4D32 CANTER FE444, FE304, FB211 FE Turbo Diesel Truck
MIT03	MD102601	2.5 L	4 CYL	4D55 L - 00 OLD MODEL PAJERO / L200 / L400
MIT04	MD374408, MD374409		4 CYL	4D56 L - 300 2.5 NEW MODEL
MIT05	ME018297		4 CYL	4D34A / 4D33 CANTER FE659
MIT06	ME01734		4 CYL	4D34T / 4D35T CANTER TURBO FE659T
MIT07	ME013668		4 CYL	4D34 CANTER HD FE449, FE635, FE639
MIT08	1100A028, 1100A135	2.5 L	4 CYL	4D56UL200

PERKINS				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MF01	026005M1, 736532M91, 31312419, 84402, 31312436, 31312441, SD260034, U5BG0031, 31312700, ZZ90084, 3637454M91, ZZ90116, ZZ90148	3.152 / D3.152	3 CYL	KEYED NOSE ROPE SEAL 135 PERKINS (3.152) F: 35, 135, 148, 254, 230, 240, 250, 254, 255, 350, 353, 355, 360, 363, 550 PERKINS: A3, 152, AD152
MF01A	84399, 31312437	3.152	3 CYL	SPLINED NOSE ROPE SEAL
MF01PL	ZZ90148, ZZ90116, 3638309M91, 84402	3.152 / D3.152	3 CYL	PERKINS 3.152 ROPE SEAL WITH COUNTER WEIGHT, GEAR, WASHERS & SCREW.
MF02	026053M, 94458, 31312701, 94464, 31312707, U5BG0027, 31315135, ZZ90078, 3637410M91, ZZ90150, ZZ90122, 637399M91	3.152	3 CYL	KEYED NOSE LIP SEAL
MF02A	31312702, 31312704, 94463, 94459, ZZ90117	3.152	3 CYL	SPLINED NOSE LIP SEAL
MF02PL	ZZ90148, ZZ90116, 3638309M91, 84402	3.152	3 CYL	KEYED NOSE LIP SEAL WITH COUNTER WEIGHT, GEAR, WASHERS & SCREW.
MF03	026008M1, 3638473M91, 31315135, 742742M91, 31315138, 84407, 31315145, 85811, 31315148, 92484, 31315167, 92485, 31315184, U5BG0017, ZZ90121, U5BG0028, 3637399M91, ZZ900201, 84440, 31315174, 367752M91, 737309M91, 74274M91	4.203 / D4.203 A4.192	4 CYL	KEYED NOSE ROPE SEAL MF65, 158, 165, 765, 155, 650 PERKINS A4.203, AD4.203 Landini, Agricultural tractor prima series 6000DT, 6000R, 6000 Special, 7000R, Crawler Tractor C6000-Cingolati Series MF TRACTOR 700 Series 155, 158, 165, 200 Series-260 Pre 100 series (1947-65) Industrial Tractor-50
MF03A		4.203 / D4.203	4 CYL	SPLINED NOSE / ROPE SEAL
MF04	026032M1, 94441, 31315182, 94454, 31315784, 94455, 742344M91, ZZ90111, 026033, 3637458M91, 31315661	4.203 / D4.203 / A4.203	4 CYL	KEYED NOSE LIP SEAL MF65, 158, 165, 765, 155 (100 Series) MF INDUSTRIAL 50 MF LANDINI R-DT6000 Pre 100 Series (1947-65)-65, 765 Industrial tractor-50
MF04A	026032M1, 94441, 31315182, 94454, 31315184, 94455, 31315184, ZZ90111, 742344M91	4.203 / D4.203 / A4.203	4 CYL	SPLINED NOSE / LIP SEAL
MF05	31315911, 31315912, 85721, 736829M91, ZZ90108, 3637789M91, ZZ90093, 84422	4.248 / 4.236 / 1004 / 1004.4 / 1004T / 1004.4T	4 CYL	SPLINED NOSE ROPE SEAL (LIGHT WEIGHT) MF 168, 175, 265, 274, 274S, 274SK, 275, 285, 284-4S, 365, 373, 375, 377, 383, 387, 565, 575, 675, 3050 MF LANDINI R-DT7500, R - DT6550, C6830, R-DT7550, R-DT7530, F PERKINS 4.236, MF COMBINES 440, MF INDUSTRIAL 50, 50B, 50E/EX, 50H/HX ‘S’ SERIES (Gear Available)
MF05A	3637789M91, U5BG0054, 31315911, 31315912, 84422, 85721, ZZ90093, 84421, 94434, 7340893M1, 31315851, 68050, 736829M91, 3639541M1, 85821, 31315993, U5BG0053, ZZ90108	4.236 / 4.248	4 CYL	SPLINED NOSE ROPE SEAL (HEAVY WEIGHT) MF178, 185, 188, 194-F, 285, 294S-4S, 393, 397 MF INDUSTRIAL 50E / EX, 60H, 60H “S” SERIES MF LANDINI R-DT8500, C7800, C7830 PERKINS A4.248, 4.248 (Gear Available)

PERKINS				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MF06	3637401M91, U5BG0024, 31315987, 31315982, 31315991, 94435, 94436, ZZ90082, ZZ90081, ZZ90143, 741747ML	4.236 / 4.248	4 CYL	SPLINED NOSE LIP SEAL (HEAVY WEIGHT) MF265, 274, 274S, 274SK, 275, 285, 284S-4S, 365373, 375, 377, 383, 387, 565, 575, 675, 3050, 194-F, 285, 294-S-4S, 393, 397178, 185, 188 MF LANDINI R-DT6550, C6830, R-DT7550, R-DT7530F, MF LANDINI R-DT8500, PERKINS A4.236, PERKINS A4.248, 4.248, MF COMBINES - 440, MF INDUSTRIAL 50, 50B, 50E/EX, 50H/HX, 50H/HX 'S' SERIES. MF INDUSTRIAL 50E/EX, 60H, 60H 'S' SERIES (Gear Available)
MF06A	ZZ90202, ZZ90081, 364040M91, 3665768M2	4.236 / 4.248	4 CYL	(HEAVY WEIGHT) SPLINED NOSE LIP SEAL FLANGE: 12 HOLES (Gear Available)
MF07A	U5BG0026, 31315664	4.236 / 4.248	4 CYL	SPLINED NOSE ROPE SEAL, (LIGHT WEIGHT) 3 HOLES FOR PULLEY FITTING ON NOSE (Gear Available)
MF08	31315631, 94433, 31315641, 94434, 31315664, 85821, U5BG0052, 26046, 31315871, 31315881, ZZ90122, 736829M91, 31315881, 741750ML, ZZ90082	4.236 / 4.248	4 CYL	SPLINED NOSE LIP SEAL (LIGHT WEIGHT) MF 158, 175, MF LANDINI R-DT7500 (Gear Available)
MF08A	U5BG0026, 31315664	4.248 / 4.236 100.4 / Phaser 1004	4 CYL	SPLINED NOSE LIP SEAL (LIGHT WEIGHT) 3 HOLES FOR PULLEY FITTING (Gear Available)
MF08T	ZZ90119, ZZ90202	1004 Phaser Series	4 CYL	SPLINED NOSE LIP SEAL (LIGHT WEIGHT) 3 HOLES FOR PULLEY FITTING LONG NOSE (Gear Available)
MF09	85719, ZZ90100, Z90076, 3637457M91, 737189M91	4.212 / D4.212	4 CYL	SPLINED NOSE ROPE SEAL MF Tractor 100 Series (Italian) 174, 165, 174C Landini Tractor 500 series 6500
MF10	94430, ZZ90077, 3637453M91, 742873M91, 94430	4.212 / D4.212	4 CYL	SPLINED NOSE LIP SEAL
MF11	31323146, 84433, 026020N	6.305	6 CYL	KEYED NOSE LIP SEAL
MF11L		6.305	6 CYL	KEYED NOSE LIP SEAL
MF12	U5BG0037, ZZ90113, 3637408M91	6.354-4 / 6.312-4	6 CYL	KEYED NOSE ROPE SEAL MF 399, 699, 1014, 1114, 1134, 1250, 2620, 2640, 2645, 2680, 2685, 2720, 2725, 3080, 3090, 3650 MF COMBINES 24, 27, 29, 29XP, 31, 530, 535, 560, 565, 620, 625, 660, 665, 750, 800, 805, 825 MF LANDINI R-DT1000, R-DT100005, R-DT12500, R-DT1300 MKII, R-DT14500 MKII PERKINS A6.354.4, A6.372.4
MF13	31314021, 68076, ZZ90086, 3637404M91, ZZ90113, 748751M1	6.354-4A6.354.4T6.354.4	6 CYL	KEYED NOSE LIP SEAL MF 2705, 3525, 3545, 3630, 3650 MF COMBINES 550, 750, 760, 850, 860 MF LANDINI R-DT14500, PERKINS A6.354.4, T6.354.4

PERKINS				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
MF13A	U5BG0035, 313H021, 3637019M91, 3131H024	6.354 - 4 1006 / 1006T Phaser Series	6 CYL	KEYED NOSE LIP SEAL 3 HOLES FOR PULLEY FITTING
MF14	3131H022, ZZ90105	6.354 - 4	6 CYL	NITRADED KEYED NOSE LIP SEAL
MF15	31322316, 31322317, 31325016, 3132230, 31325019, 31322302, 31325022, 31322321, 31325023, 31322322, 31325025, 31322351, 31325028, 31322421, 31325036, 3132320V, 31325042, 31323207, U5BG0045, 31323251, ZZ90089, 31322361, 31322363, 31322364, 68063, 85727, 742150M1, 736902M1	6.354 - 2	6 CYL	SPLINED NOSE ROPE SEAL MF 1100, 1014, 1200 MF COMBINES 500, 510, 515, 520, 525, 620, 625 MF LANDINI R - DT9500, R - DT10000, R - DT10005 PERKINS A6.354, PERKINS A6.354.1, A6.354.2, A6.372, A6.372.1
MF16	31323261, U5BG0048, 31323262, Zz90090, 94443, 94460, 94468, 742160M1, 742161M1	6.354 - 4 A6.354.4 T6.354.4	6 CYL	SPLINED NOSE LIP SEAL MF 1100, 1014, 1200 MF COMBINES 500, 51 0, 515, 520, 525, 620, 625 MF LANDINI R - DT9500, R - DT10000, R - DT100005 PERKINS A6.354, PERKINS A6.354.1 A6.354.2, A6.372, A6.372.1
MF17	115256750, 115256990, P770, P771	104.22 / 404C.22 404C.22T	4 CYL	Stroke : 3.54331” (90.000mm) Rod : 2.04582 - 2.04626” (51.964 - 51.975mm) Main : 2.67550 - 2.67597” (67.957 - 67.970mm) Neck : Tapered, Threaded, Flange : Lip Seal
MF17A	115256750, 115256990	104.22 / 404C.22 404C.22T	4 CYL	Stroke : 3.9370” (100.00Dmm) Rod : 2.04582 - 2.04626” (51.964 - 51.975mm) Main : 2.67550 - 2.67597” (67.957 - 67.970mm) Neck : Tapered, Threaded, Flange : Lip Seal
MF18	4181V017	1103 / 1003B - 33 / 103C - 33T	4 CYL	Stroke : 5.000” (127.000mm) Rod : 2.4986 - 2.4994” (63.466 - 63.486mm) Main : 2.9982 - 2.9990” (76.155 -76.176mm) Neck : Splined, 3 - Bolt, Flange : 6 - Bolt, 1 - Dowel, Lip Seal
MF19	ZZ90222, ZZ90239	1104	4 CYL	Stroke : 5.000” (127.000mm) Rod : 2.4986 - 2.4994” (63.466 - 63.486mm) Main : 2.9982 - 2.9990” (76.155 -76.176mm) Neck : Splined, 3 - Bolt, Flange : 1 0 - Bolt, 1 - Dowel, Lip Seal
MF20	4225497M1, ZZ90213, ZZ90228, 3637019M1	VK1106 - E60TA	6 CYL	Stroke : 5.000” (127.000mm) Rod : 2.4986 - 2.4994” (63.466 - 63.486mm) Main : 2.9982 - 2.9990” (76.155 - 76.176mm) Neck : 3 - Bolt, 1 - Key,

ROMANIA / UTB / UNIVERSAL				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
UTB01	10303010	650	4 CYL	SMALL FLANGE ROPE SEAL
UTB02	10303020	660	4 CYL	BIG FLANGE LIP SEAL
UTB03	D03-C08-A	70 HP, M-85, 17, C-75, 17	4 CYL	MTZ-70 / UMZ
UTB04 M12 M14	Z1-100501143	T-25	2 CYL	M-12 THREAD
				M-14 THREAD
UTB05	D-371005011B	T-40	4 CYL	INTEGRATED COUNTER WEIGHT
UTB06	240-1005020-B1, 240-1005015, 240-1005015-B 242-1005015, 243-1005015	80 H.P D240, D242, D243, D244	4 CYL	MTZ-80 MTZ-82
UTB07	Z0-04C9	SMD-20	4 CYL	JUMS 6M / SMD-20 / DT 75 JOBS01 RUSSIAN, UKRAINE
UTB14	11503020 / 115030040 651878		3 CYL	MODEL NOS. 350, 353, 445, 450, 453, 500, 530, 533
UTB15	260-1005015	D260.1, D260.2, D260.4, D260.14, D266.4, D260.9	6 CYL	MTZ (MTZ-1221, MTZ-1523), MAZ, KZS, Amkador
UTB16	245.9-1005015-08	D245 Euro 3 (D245.9E3, D245.7E3)	4 CYL	without splines, 3 dowels, 7 flywheel holes (7 bolts) ZIL (5301), GAZ, PAZ-4230 (cone)
UTB17	245-1005015, 245-1005015-A	D245	4 CYL	MTZ-892, MTZ-92P, MTZ-1025, MTZ-100, MTZ-900, MTZ-822, MTZ-922, MTZ-923, MTZ-1005, MMZ-d-245, MMZ-d -245-12, MMZ-d-245-30e2-471, MMZ-d-245-30e2-469, MMZ-d-245-5c-53-92 1-2, MMZ-d-245-5c-53, MMZ-d-245-9

SCANIA				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
SC01	342060, 312739, 1308467	DS11-12-13 D / DN / DS / DSC11	4 CYL	T113, R113, H112, HS112, HW112, L111, L110, 112, 113, 114, BR115, BR116, B111 Stroke 145 mm
SC02	1423374, 142156, 1743584, 574410	DSC12 DC12	6 CYL	P-R-T 380 / 420 / 440 / 470 / K124
SC03	2133515	D13	6 CYL	

SONALIKA				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
SO01	SK303521		3 CYL	Stroke 118 mm
SO02	EP403321		4 CYL	Stroke 118 mm

STEYR				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
ST01	4080020017		4 CYL	STEYR 8073 / 768 WD408.40
ST03			3 CYL	360 KOMPACT

SUZUKI				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
SZ01	12221-75101, 1221-75102, 12221-75104	SJ-410	4 CYL	SUZUKI 1000cc ENGINE MARUTI GYPSY Sk410 CARRY
SZ02	12221-73001, 1221-78401	LJ-80	3 CYL	SUZUKI 800cc ALTO CARRY, SUZUKI F8

TATA				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
TA01			6 CYL	TATA 1516 / 1612
TA02			6 CYL	TATA 1510 / 1312
TA03			6 CYL	TATA 697
TA04			4 CYL	TATA 609 / 709 / 1109
TA05			4 CYL	TATA 608 / 497
TA06			6 CYL	TATA 1210 / 692
TA07			4 CYL	TATA 407

TOYOTA				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
TY01			4 CYL	Bandeirant 1973 to 1989 LAND CRUISER
TY02			4 CYL	Bandeirant 1989 to 1994

URSUS				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
UR360A	46.40399.0 3S-4003		4 CYL	URSUS 360 (ZETOR TYPE) 6 HOLES ON REAR-C 360 Available as integrated and external counter weight

VOLVO				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
VO01	1545657, 467709, 6888669, 819449E, 8966716		6 CYL	TD and THD 100 / 101 / 102 engines Trucks N10/NL 280 / 310 / 320 / 340 Chassis w / bus B 58 / B 10M / F10-N10 Stroke 140 mm Flange with 10 holes
VO02	8126780, 8194304 (OLD), 8194456, 812678		6 CYL	TD 101 / 102 / 103 THD 102 TD motors 102 and THD S Trucks NL 310 / 320 / 340 Chassis w / bus B 58 / B 10M Flange with 14 holes Stroke 140mm
VO03	468617, 470681, 6888740, 4706818		6 CYL	TD120, TD121, TD122, TD123 (>186746 ENGINES) Trucks N / NL12 - EDC 360 / 420 Chassis p / B bus 12M, F12-N12 Flange with 10 holes Stroke 150mm
VO04	6125583, 8193727 478676, 8125583		6 CYL	TD122 / TD123 engines ENGINE NO (186747>) Trucks NL12360 / 360 / 420 EDC Chassis p / B bus 12M, F12-N12 Flange with 14 holes Stroke 150 mm
VO05	1547468, 20411189, 20533089, 8418524	D12 / D12A / D12C / D12	6 CYL	Stoke 150mm F H12 - 420 CV / NH 380 / 420 / 460 / B12
VO06	20486222, 22235114, 21230583, 85000536, 20486221, 22697519	D13 / D13C	6 CYL	Stroke 158 mm FH / FMX

WILLYS JEEP				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
WJ01	647018		4 CYL	COUNTER WEIGHT FASTENED WITH BOLTS CJ3A, CJ3B, CJ5, CJ6, M38, M38A, DJ3L, Station Wagon, 4X463, 473, 4X473, 475, 2X475, 4X475, Trucks 4WO, 473-440, 475-4WO, FC 150, L134, F134

ZETOR				FORGED
REF. NO.	ORIGINAL PART NO.	MOTOR & ENGINE	CYLINDERS	DESCRIPTION / REMARKS
ZT01	20010301		2 CYL	ZETOR 2011 CZECHOSLOVAKIA Available as integrated and external counter weight
ZT02	30010301		3 CYL	ZETOR 3011 CZECHOSLOVALIA Available as integrated and external counter weight
ZT03	40010301, 40010399, 72010399		4 CYL	ZETOR 4011 CZECHOSLOVALIA UR1 Series 4011, 4320, 4321, 4340, 4341, 4511, 4611, 5320, 5321, 5340, 5341, 5511, 5516, 5545, 5611, 5645, 5647, 5711, 5718, 5745, 5748, 5911, 5945, 6011, 6045, 6211, 6245, 6320, 6321, 6340, 6341, 6711, 6718, 6745, 6748, 6911, 6945, 7011, 7045, 7045H, 7211, 7245, 7245H, 7320, 7321, 7340, 7341, 7711, 7745. Available in 110 / 120 mm stroke. Available as integrated and external counter weight
ZT03HD	URSUS C385		4 CYL	HEAVY DUTY (URSUS II)
ZT04	URSUS C910		6 CYL	ZETOR INTEGRATED COUNTER WEIGHT C380
ZT04HD			4 CYL	HEAVY DUTY (URSUS II)
ZT05	78003001		4 CYL	CRANKSHAFT PROXIMA
ZT06	96003001		4 CYL	CRANKSHAFT PROXIMA

NOTES:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

GUARANTEE POLICY

English:- Guarantee 

We guarantee that all the goods that have been manufactured by us are free from defects in material and workmanship. We further guarantee that all the parts that are defective in material and workmanship are repairable and/or interchangeable. Any replaced parts will be our property. The obligation under this warranty does not include the refunding of these losses - Loss of profit, assembly expenses, customs charges, inland freight, all local charges etc.. We shall not be responsible for the wear out and/or the defects that arise in the transit and/or in the case that any alteration is carried out on the goods shipped by us, we will not be responsible for the defects weather it is due to the alteration or not. We shall also not be liable for the treatment of the shipped goods that is not in accordance with our regulations regarding its use. We further warranty that all our goods are interchangeable with the corresponding parts offered by the Original Equipment Manufacturer. All claims have to be submitted to us in writing within 12 months from the shipment of the goods and material may not be returned to us without our prior consent. In any case, they have to be returned to us free of charge and freight charges will only be returned if the claim is found justified after inspection of the goods by our quality control department.

Español:- Garantía

Garantizamos que todas las mercancías que han sido fabricadas por nosotros están libres de defectos en material y mano de obra. Garantizamos más lejos que todas las piezas que son defectuosas en material y mano de obra son reparables y/o permutables. Cualquier pieza sustituida será nuestra característica. La obligación bajo esta garantía no incluye consolidar de estas pérdidas - pérdida de beneficio, de costos del ensamblaje, de cargas de costumbres, de carga interior, de todas las cargas locales etc.. No seremos responsables del desgaste hacia fuera y/o los defectos que se presentan en el tránsito y/o en el caso que cualquier alteración está realizada en las mercancías enviadas por nosotros, no seremos responsables de los defectos le resistimos somos debido a la alteración o no. También no seremos obligados para el tratamiento de las mercancías enviadas que no está de acuerdo con nuestras regulaciones con respecto a su uso. Fomentamos la garantía que todas nuestras mercancías son permutables con las piezas correspondientes ofrecidas por el fabricante de equipos originales. Todas las demandas tienen que ser sometidas a nosotros en escribir en el plazo de 12 meses del envío de las mercancías y el material no se puede volverse sin nuestro consentimiento previo. En cualquier caso, tienen que ser vueltas gratuitamente y las cargas de carga serán vueltas solamente si la demanda se encuentra alineada después del examen de las mercancías por nuestro departamento del control de calidad.

Deutsch:- Garantie 

Garantieren wir, daß alle Waren, die von hergestellt worden sind uns, von den Defekten Material und Kunstfertigkeit frei sind. In wir weiter garantieren, daß alle Teile, die Material und Kunstfertigkeit defekt sind, reparabel und/oder auswechselbar sind. Alle mögliche ersetzten Teile sind unsere Eigenschaft. Die Verpflichtung unter dieser Garantie umfaßt nicht das Zurückerstaten dieser Verluste - Verlust des Profits, der Versammlungskosten, der Zollgebühren, der inländischen Fracht, aller Ortsgebühren etc.. Wir sind nicht für die Abnutzung heraus verantwortlich und/oder die Defekte, die bei dem Transport und/oder im Fall entstehen, daß jede mögliche Änderung auf den Waren durchgeführt wird, die von uns versendet werden, sind wir nicht für die Defekte verwirrt sie liegen an der Änderung oder nicht verantwortlich. Wir auch sind nicht für die Behandlung der versendeten Waren verantwortlich, die nicht mit unseren Regelungen betreffend sind seinen Gebrauch übereinstimmt. Wir fördern Garantie, daß alle unsere Waren mit den entsprechenden Teilen auswechselbar sind, die durch den Originalgerätehersteller angeboten werden. Alle Ansprüche müssen bei uns beim Schreiben innerhalb 12 Monate vom Versand der Waren eingelegt werden und Material kann möglicherweise nicht zu uns ohne unsere vorherige Zustimmung zurückgebracht werden. In jedem möglichen Fall müssen sie zu uns kostenlos zurückgebracht werden und Frachtgebühren werden nur zurückgebracht, wenn dem Anspruch ausgeschlossen nach Kontrolle der Waren durch unsere Qualitätskontrolleabteilung gefunden wird.

Русский:- Гарантия 

Мы гарантируем, что все наши изделия произведены без каких-либо дефектов металла и производства. В случае обнаружения дефекта металла или производства производится замена детали или ее ремонт. Замененные дефектные детали перейдут в собственность завода. Обязательство по данной гарантии не распространяются на следующие случаи - потеря дохода, расходы на установку, таможенные платы, транспортировка внутри страны покупателя, все местные выплаты и т.д. Мы также не несем ответственности за любые типы повреждений, полученные в результате транспортировки, неправильного погрузки. Мы подтверждаем, что все производственные заводом детали заменяемы на оригинальные соответствующие детали от производителя техники. Все жалобы должны быть высланы нам в течение 12 месяцев с даты погрузки, дефектные детали не могут быть высланы на завод без нашего предварительного согласия. В любом случае дефектные детали должны быть доставлены на завод бесплатно и транспортные издержки будут возвращены покупателю в том случае, если жалоба будет подтверждена после проверки изделий заводским департаментом качества.

Française:- Garantie

Nous garantissons que toutes les marchandises qui ont été fabriquées par nous sont exemptes des défauts dans le matériel et l'exécution. Nous garantissons plus loin que toutes les pièces qui sont défectueuses dans le matériel et l'exécution sont réparables et/ou interchangeables. Toutes les pièces remplacées seront notre propriété. L'engagement sous cette garantie n'inclut pas le remboursement de ces pertes - manque à gagner, des dépens d'assemblage, des frais de douane, le fret intérieur, tous frais locaux etc.. Nous ne serons pas responsables de l'usure dehors et/ou les défauts qui surgissent dans le passage et/ou dans le cas que n'importe quel changement est effectué sur les marchandises expédiées par nous, nous ne serons pas responsables des défauts lui survivants est dû au changement ou pas. Nous ne serons également pas responsables du traitement des marchandises expédiées qui n'est pas conforme à nos règlements concernant son utilisation. Nous promovons la garantie que toutes nos marchandises sont interchangeables avec les pièces correspondantes offertes par le fabricant. Toutes les réclamations doivent être soumises à nous par écrit dans les 12 mois de l'expédition des marchandises et le matériel ne peut pas être retourné sans notre assentiment préalable. De toute façon, elles doivent nous être retournées gratuitement et le coût du fret sera seulement retourné si la réclamation est trouvée justifiée après inspection des marchandises par notre service de contrôle de qualité.

Turkish:- Garanti Şartları 

Tarafımızdan üretilen tüm malların malzeme ve işçilik açısından kusursuz olduğunu garanti ederiz. Malzeme ve işçilikte hatalı olduğu tespit edilen malların onarımını ve/veya biribiryle değişimini de garanti ederiz. Değiştirilen mallar bize aittir. Bu garanti kapsamına şu kayıplar girmez: Kar kaybı, montaj masrafları, gümrük ücretleri, yurtdışı navlun, tüm yerel ücretler v.s.. Tarafımızdan yüklenmiş mallarda nakliye esnasında meydana gelen hasar ve/veya hatalardan ve/veya değişikliğe uğramış mallardan sorumlu olmayacağız. Gönderilmiş olan malların kullanımı esnasında meydana gelen hasar ve/veya hatalardan ve/veya değişikliğe uğramış mallardan sorumlu olmayacağız. Gönderilmiş olan malların kullanımı esnasında ve kullanma talimatları dışında işlem uygulanırsa yine sorumlu olmayacağız. Tüm mallarımızın (OEM) orijinal parça üreticisi tarafından sunulan parçalara tekabül ettiğini ve onlarla değiştirilebilir olduğunu garanti ederiz. Her türlü hak talebi, malların yüklenmesini takip eden 12 ay içerisinde tarafımıza yazılı olarak beyan edilmelidir ve önceden bizim muvafakatimiz alınmadan malzeme geri gönderilmemelidir. İade durumunda, mallar bedelsiz olarak gönderilecek ve yükleme masrafları ancak kalite kontrol departmanımızda yapılacak inceleme sonucunda talep hakkı bulunursa geri ödenecektir.



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PLANT ADDRESS UNIT 4

S21-03, Shed No.21, Al Hulaila FZ, Al Hulaila
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COMPANY WEBSITE

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