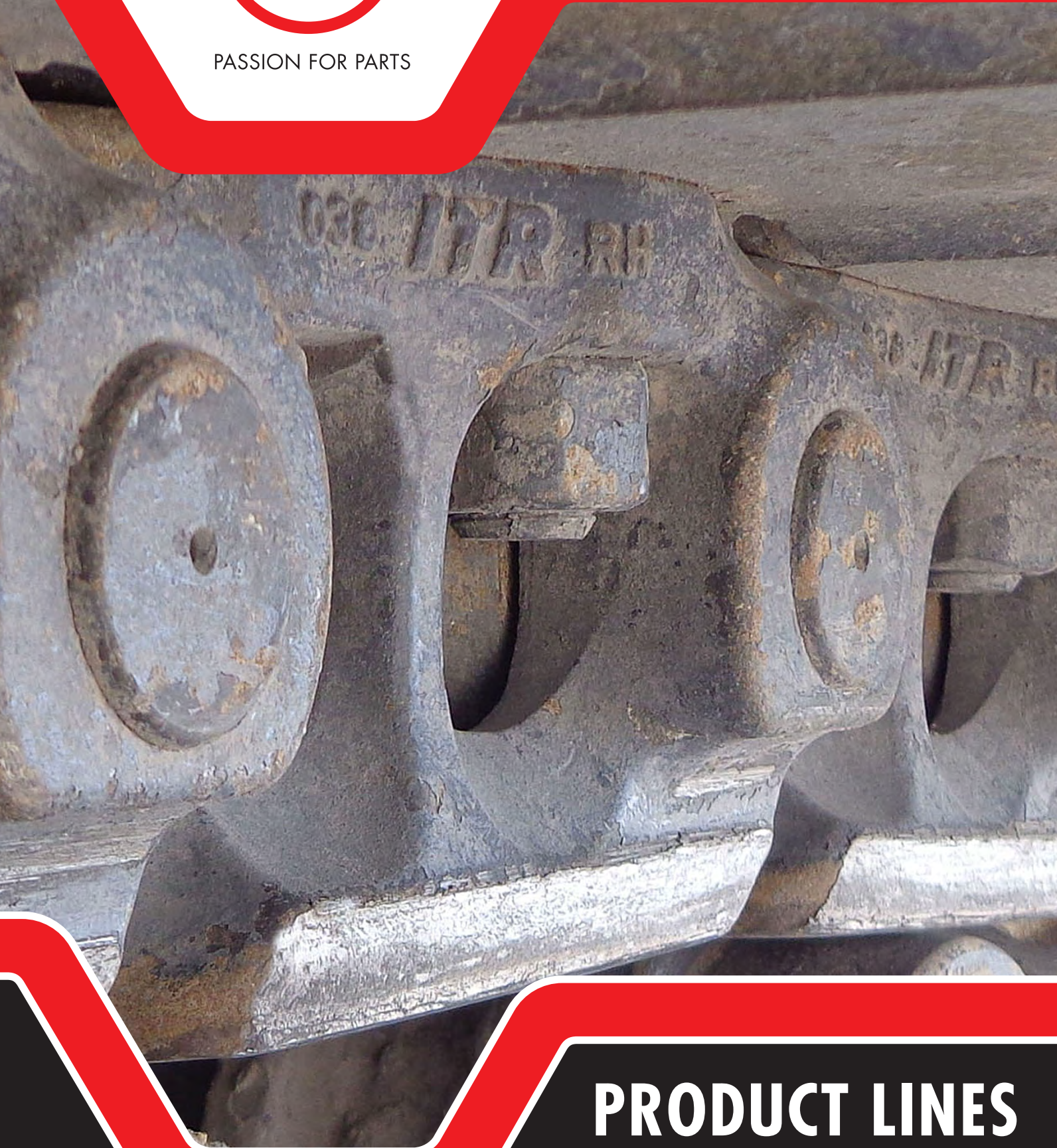




PASSION FOR PARTS



PRODUCT LINES

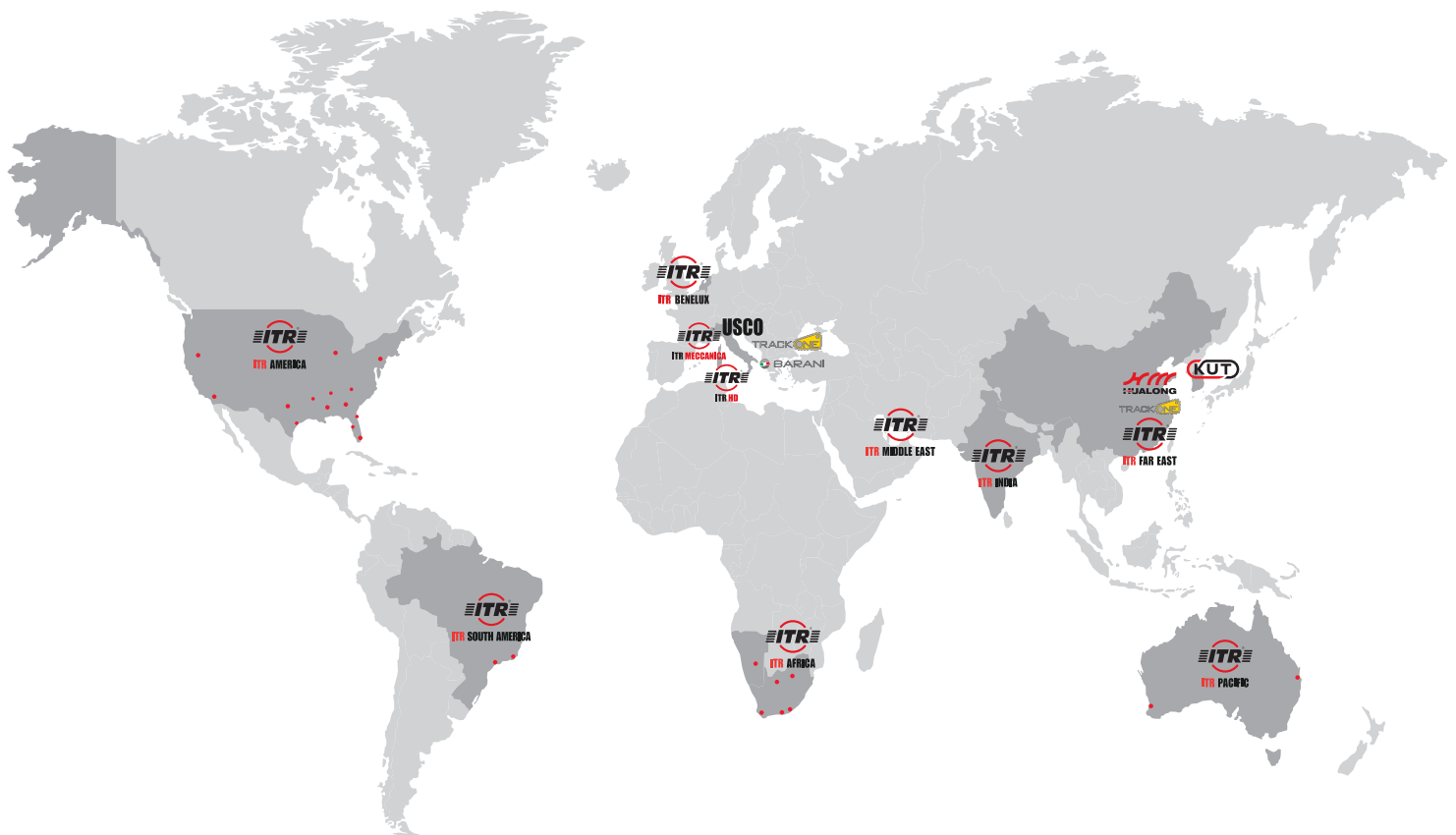
THE COMPANY

USCO started in 1989 with trading activities specializing in spare parts for Caterpillar machines. In 1994 it took the first step towards creating what today is one of the most vital and successful groups in the sector of spare parts for earth moving machines.

After taking over ITR, USCO also began manufacturing a variety of repair parts under the ITR brand name.

The evolution of the company and the ITR brand followed parallel roads. Acquiring new manufacturing and distribution enterprises in some key markets resulted in coherent and continual expansion of the product range. At the same time, USCO focused strongly on the logistic/distribution factors for a more rational technical/production reorganization and localization. USCO has in fact centralized undercarriage production in South Korea and China making investments and building structures that allow guaranteeing top quality standards, thus becoming one of the benchmark manufacturers on the market for undercarriage spare parts for earth moving machines.

The distribution companies today constitute one of the essential components of the Group make a determining contribution to its development.



THE GROUP

The current Group structure is characterized by a targeted presence in the territory. This was made possible thanks to a continual research on the market, aiming to satisfy the customers' requirements. Distribution structures established in strategic areas with respect to the reference markets provide for widespread and efficient distribution of the product range so as to optimize the delivery times and costs, factors that are increasingly strategic in order to be competitive in price and in after-sales service.

PRODUCTION CENTERS

ITR MECCANICA (former GRS)

The company was established in the late 60's and since 1970 has focused its main production on both the AMK and OEM market segments. In 2003, the Italian pumps manufacturing company playing a key role in the international markets, was acquired by USCO. In Modena facility, extending over 7,000 sqm. ITR pumps and gears are developed, produced and tested.

ITR Meccanica by using state-of-the-art machines and experienced staff, offers one of the broadest range of the market: the company boasts an annual production capacity of 60.000 pumps with more than 400 different types for Caterpillar® and Komatsu® machines.

KUT

Founded in the first half of 2000, Korea Undercarriage Track Co. Ltd (KUT) has been a strategic partner of USCO since 2005. KUT manufactures chains, shoes and segment groups at its plants in Jinju, South Korea and supplies both primary OEM and AMK customers.

The product mix in the Korean company's range is among the most complete and includes as much products for the European and American markets as specific products for the Asian market.

KUT has over the years obtained several international quality certifications.

TRACK ONE

Track One, founded in 2005, right from its formation, has focused its attention on the study, design and realisation of complete "tailor-made" track frames for the most varied applications. From the new plant in Modena, Track One serves a growing number of OEMs worldwide, marrying the quality of the ITR components with the production experience and the design expertise of its Engineering Department, the real nerve centre of the company.

TRACK ONE CHINA

In 2010 TRACKONE has opened an assembly and distribution center in China, that has been created to serve better the emerging markets of the eastern part of the world. The company has recently moved to Ningbo, in the Zhejiang province.

HUALONG

Hualong Costruction Machinery Co. Ltd is situated in Shandong province in the north of China. From the outset the Chinese-Korean company, with its annexed foundry, has supplied the primary OEMs and since 2007 has been one of the centres of excellence of the USCO manufacturing network. In 2008 Hualong moved to the new plant in the EDZ of Yantai and thanks to its casting capacity of 12.000 tons a year manufactures sprockets and idlers under the ITR brand name.

ITR AMERICA

ITR America came into being in 2008 as a result of the joint venture between ITR North America and Heavyquip is a team of about 200 persons boasting unique experience in the spare parts and distribution market. The headquarters are in Jackson (MS) and Hobart (IN) and the network consists of 14 branches spread across America. ITR America guarantees its distributors pre-sales and after-sales service, ensuring that spare parts are delivered across North America in maximum one to two days from order. The strenght of the company is the wide choice of products ranging from undercarriage, GET, rubber tracks and a wide range of repair parts for earth moving machines.

ITR SOUTH AMERICA

ITR South America was created at the beginning of 2011 in Sao Paulo, Brazil. The headquarters, together with its branch, extends over 3500 m² of total area. The Brazilian company, focused on repair parts, GET and undercarriage distribution, has been established to support the ever growing ITR distribution network in Brazil and in the South American markets.

DISTRIBUTION CENTERS

ITR AFRICA

ITR Africa was established in 2009 by a joint venture with Parts & Machines Sales, a company that has been operating for around twenty years on the spare parts market in South Africa and Sub-Saharan Africa.

ITR Africa distributes undercarriage, GET and repair parts from its headquarters in Johannesburg and through its branches located in Capetown, Port Elizabeth, East London and Kathu.

The Company boasts a qualified team always aiming at customer satisfaction.

The opening of ITR Namibia is a further step on the road to a local/global approach to the market.

ITR MIDDLE EAST

ITR Middle East was established in 2006 to develop and rationalise distribution of the ITR brand products in the Middle East and Persian Gulf region.

The presence and strength of ITR Middle East is guaranteed by its excellent service, a considerable stock level and a component team of specialists in undercarriage spare parts and GET. ITR Middle East has recently moved to its new premises in Jabel Ali that extend over 27.000 sqm.

ITR FAR EAST

ITR Far East was founded in 2009 in Ningbo, China, as a result of the development plan in the emerging markets. ITR Far East is focused on ITR product distribution in the local market as well as seeking and selecting certified suppliers. Thank to its staff of technicians and engineers, quality control and manufacturing process control are carried out directly at the suppliers' facilities.

This distinctive trait ensures that ITR products achieve the required level of technology and performance and represents the overall strategy that over the years has strengthened the position of the Group on the market. The company has recently moved to a new warehouse.

ITR PACIFIC

ITR Pacific was set up in the early 2007 in Brisbane, Queensland, Australia. Operating on premises of 7300 m² including the offices and warehouse, the company takes care of ITR brand distribution in Australia and New Zealand.

ITR Pacific, chiefly focused on distribution of undercarriages, GET and repair parts, has built its current reputation on its extensive technical know-how and expert and extremely reliable staff. The combination of local presence, reliability of the product distributed and a strong consumer-oriented policy have made ITR Pacific a stable organisation in continuous and rapid growth on the market. In 2015 ITR Pacific has opened a new branch in Perth, ITR Western Australia.

ITR BENELUX

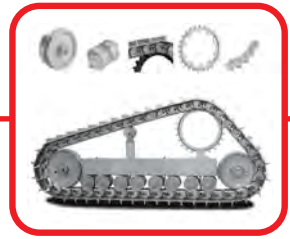
Founded in 2013, is one of the latest members of the USCO distribution network. ITR Benelux's premises are located in Tilburg, The Netherlands, in a strategic position in order to provide the market with an efficient and highly competitive service. The company's high skilled staff, with long experience in the industry, looks after the complete ITR product range including undercarriage, rubber tracks, GET and repair parts.

BARANI spare parts

Located in Reggio Emilia, was established over 50 years ago and today it is one of the leading companies in the industry of genuine parts for agricultural machines. As official dealer and distributor of some of the most important and popular brands in the agricultural market, BARANI genuine products are distributed from its Italian facilities, offering fast and complete deliveries, wide range of products and very efficient and competitive service.

PRODUCTS

UNDERCARRIAGE



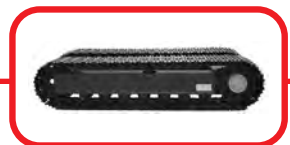
The undercarriage line includes a vast range of components among which chains, shoes, rollers, sprockets, idlers and segments entirely manufactured at the Asian plants of the Group. A fundamental characteristic of the undercarriage product line is that its production is entirely managed in-house: from design of the component to the choice of material through to production. Numerous quality controls are carried out starting from raw material purchasing based on the know-how and expertise in the field of metallurgical processes and metal materials. Broad expertise covers the entire complexity of the production process from die-casting to heat treatments to the assembly and painting lines. The ITR undercarriage products are the most complete range on the market, which as well as including the more standard excavator/dozer applications range from asphaltting to drilling to logging machines. The production flexibility and the design expertise also allow making 'tailor-made' products for special applications.

GROUND ENGAGING TOOLS



One of the latest evolutions in the USCO range is the GET product line which is rapidly becoming one of the most important in the USCO product mix. This line comprises all those components necessary for the manufacture, reconditioning and maintenance of buckets for bulldozers, excavators and loaders. The extremely heterogeneous mix is made up of single and double bevels profiles, end-bit, blades, reinforcements, tips and adapters, fasteners and all those components necessary for excavation or levelling, such as rippers or blades for graders.

FRAMES



TRACKONE, one of the Italian companies of the group, is specialized in designing, engineering and manufacturing side frames and complete undercarriages solutions conceived to satisfy the specific requirements of the customer. The products are developed and optimized by continuously working in close collaboration with the Engineering Department of the customer and with partners such as universities and research institutes. The development of the undercarriages is monitored from the earliest stages of design to final assembly with the aim of providing a product that meets the highest quality standards and the customer's expectations. Production processes are constantly verified and optimized, as well as research and new products development is continuously carried out.

The core business of the company is to research, design and develop all components of crawled undercarriage solutions according to the customer's technical specifications.

REPLACEMENT PARTS



Replacement parts represent the kingpin around which the company has grown and developed since its creation and in the course of the 90's.

The product range has continuously been developed over time, not only by building up the distribution network, but also through acquisitions aimed at the manufacture of more delicate products. In parallel, USCO has considerably bolstered the Engineering and R&D Departments from a qualitative and a quantitative point of view developing strong design expertise. Another important aspect that makes the ITR repair parts stand out lies in the numerous quality controls carried out at its production plants, at its suppliers, and when the products come into the USCO warehouses. These controls guarantee that the high level of quality is maintained for all the macro areas in which the repair parts department is divided, that is to say, engine, hydraulic, transmission and frame parts being the pulsating heart of an earth moving machine must be kept under tight and constant control. USCO can today boast to be a company offering one of the most complete product ranges in the world, permanently available on stock. USCO, through ITR MECCANICA, has an annual production capacity of 60.000 pumps with more than 400 different types for Caterpillar® and Komatsu® machines.

MINI & RUBBER TRACKS



From the end of the '90s the two undercarriage product lines for mini excavators and rubber tracks have recorded a strong and steady growth. USCO can today boast the most complete product range thanks to the non-stop study of the new applications the reference manufactures bring out on the market.

The rubber tracks are the fruit of a long road of design studies and tests in the field, which has allowed achieving an excellent quality level and the necessary confidence to brand the product ITR.

At the same time as developing the rubber tracks, USCO deepened the study and design of all the other components. Thanks to this continuous research, the mini excavator components, such as sprockets, idlers, rollers and chains, complete and integrate the product range guaranteeing a complete offer for this machine.

NEW LINES



Over the years, USCO has continuously developed new items in order to meet market demand and expanding the product range.

Recently USCO has set up three new product lines, all conceived and manufactured in Italy:

- Buckets for Excavators and Loaders : The range includes : general purpose, heavy duty, rock, ditch cleaning, trapezoidal and skeleton buckets.
Also includes front loaders and ripper teeth for excavation.
- Aluminum loading ramps: Available for mini- midi and wheeled excavator from 0,4 to 12 tons.
- Hydraulic Hammers: Using the most advanced technologies, hydraulic hammers ITR are characterized by a functional design combined with powerful energy, as well as being respectful of environment.

UNDERCARRIAGE

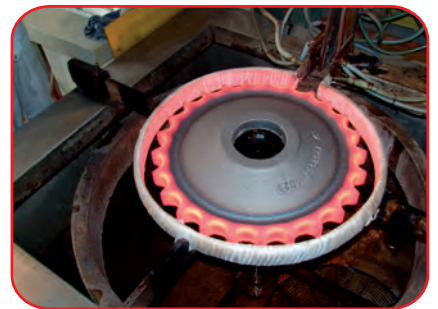
ITR undercarriage components are conceived, designed and engineered by USCO's Engineering and R&D departments, utilizing the latest CAD systems and in collaboration with partner universities.

ITR undercarriage product line is entirely managed in-house. Starting with the purchase of the raw materials, through component design, to component machining, heat-treating, and throughout the entire assembly process up to and including final inspection. Numerous quality controls are carried out starting from raw material purchasing. The checks are based on the know-how and expertise in the field of metallurgical processes and metal materials.

ENGINEERING

Engineering and R&D departments are located in Italy, South Korea and China and they interact so to combine the know-how, the technology and the development ability.

The engineering departments located in each manufacturing plant have a specific know-how on the locally-produced components while Italian Engineering head office coordinates all activities.



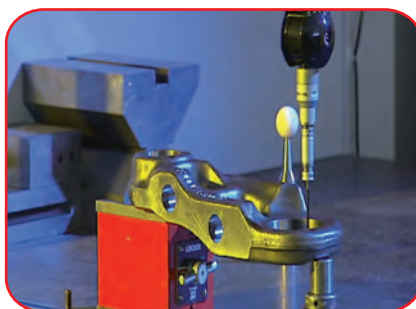
PRODUCTION

In-house FORGING is performed in a 35.000 m² newly built facility with 1.600 and 2.500 tons presses, while the CASTING plant is located in a 30.000 m² plant, over a 54.000 m² area, with a yearly capacity over 10.000 tons. Manufacturing facilities operate different machining and heat treatment processes in order to meet the highest International Standards and OEMs requirements.



QUALITY

Product co-design and optimization is also obtained through the collaboration with the Machine Construction and Structural Analysis Department of the University of Modena and Reggio Emilia and other universities and external laboratories. All manufacturing plants have Testing Departments and Laboratories where several quality checks and tests are performed before, during and after production processes. Tests are performed in-house, according to international standards and by using on-purpose designed pre-calibrated testing equipment ensuring integrity of test results.



TRACK LINK ASSEMBLIES & TRACK SHOES

ITR TRACK LINK ASSEMBLIES (TLAs) cover a broad range of brands and applications and may be available in different set-ups:

UNSEALED

STEEL UNSEALED

POLYURETHANE SEALED (grease lubricated)

SALT (sealed and lubricated track)



ITR links are forged from Boron Steel that assures excellent wear resistance and a rail hardness \geq Rockwell C50 with hardness depth 8-12 mm onwards, depending on link size.

All SALT TLAs are equipped with Master Split link profiled with EDM wire cutting technology. ITR master split links are produced following a USCO patented production process.



Bushings production process aims to obtain tough core strength, maximum surface hardness and wear resistance by combining through hardening and surface induction hardening.

Pins production methods are purposely designated to guarantee high core resistance and tenacity in combination with hard wear resistant outer diameter.

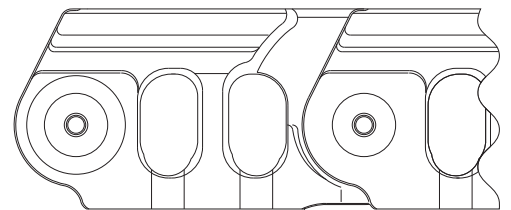


SALT or POLYURETHANE SEALED TLAs use different kind of "ALL WEATHER" seal groups following to the application they have been conceived for. Heavy Duty TLAs have new *Seal Groups* engineered in order to meet the highest quality standards and perform in tough applications. The shape of the seals and the material composition guarantee the best oil retention and lubrication between pin and bushing.

ITR TLAs range includes mini-excavators products up to mining machines.



from KOMATSU® PC20
(track link pitch 101 mm)



to CATERPILLAR® D11T
(track link pitch 317 mm)



ITR TRACK SHOES range combines a selection of items suitable for most of the applications:

SINGLE, DOUBLE & TRIPLE GROUSERS SHOES

STANDARD & EXTREME SERVICE SHOES

SPECIAL SHOES



TRACK & CARRIER ROLLERS

ITR Track and Carrier Rollers, for both excavators and dozers, are specifically engineered for most severe applications and environments. Full range of sizes and types is provided for all popular brands and models. *ITR Rollers* are forged products manufactured from selected materials such as Boron Steel, high toughness casting and top quality components.



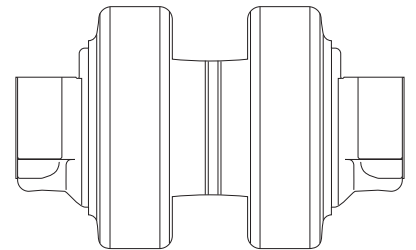
Deep heat-treatments and precise machining guarantee uniformity and consistency of the production. Accurate assembling, lifetime lubrication and quality inspection during and after production assure product performance and reliability.

ITR Track and Carrier Rollers range includes mini-excavators up to mining machines.

from KOMATSU® PC05
(machine operating weight 1,4 tons)



to HITACHI® EX2500
(machine operating weight 248 tons)



IDLERS

ITR Cast Idlers are manufactured using the latest automated design and manufacturing processes. They are produced with selected quality steel alloys and appropriately heat treated to provide remarkable field performance in extreme working environments. ITR Idlers are assembled with state-of-the-art seals and bearing design, produced following the most stringent specifications in the industry. Assembling is performed on assembling lines with automatic oil filling procedure.



ITR Idlers can be selected in different set ups :

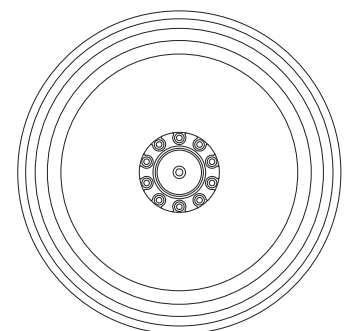
- Idler Shell
- Idler with Bushing or Shaft
- Idler with Bracket
- Idler with Yoke
- Idler with Tension Device

ITR Idlers range includes mini-excavators up to mining machines.

from KUBOTA® K008
(machine operating weight 0,9 tons)



to KOMATSU® D475 A5
(machine operating weight 101 tons)



SPROCKETS & SEGMENTS

ITR Sprockets and Segments production is suitable for a broad choice of crawled applications and final drives models from mini to mining machines. Sprockets are manufactured by casting process while segments are produced through forging.

Segments are obtained from hot trimming process machining and tough hardening. Segments are commonly used for dozer applications.



Sprockets are cast, machined and heat treated products and generally used for excavators or other machines having the undercarriage working in similar applications.

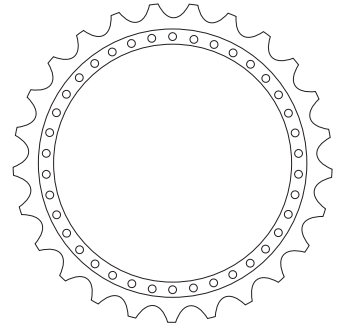


ITR Sprocket range includes mini-excavators up to mining machines:

from JCB® 8008
(machine operating weight 0,95 tons)



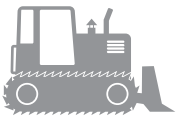
to KOMATSU® PC1250
(machine operating weight 110 tons)



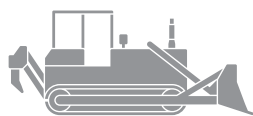
MAIN APPLICATIONS

The ITR undercarriage product line offers the most complete range available in the market, which includes standard excavator and dozer applications along with a full range of undercarriage components for asphalt, drilling and logging machinery. Production flexibility and design expertise also places ITR undercarriage line in a good position to provide "custom-manufactured" products for special applications.

TRACTOR



TRACK-TYPE DOZER



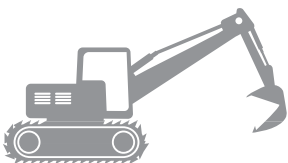
MINI - EXCAVATOR



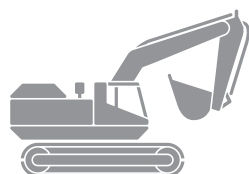
COMPACT TRACK
LOADER



FOREST MACHINERY



HYDRAULIC EXCAVATOR



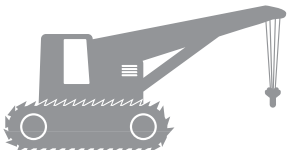
FOREST & LOGGING



CRANES



PIPE LAYERS



HARVESTING



PAVER



CRUSHER



FRAMES

The complete frame solution offered by TRACK ONE, one of the companies of the Group, is the result of the extensive know-how of the Italian manufacturing company. A comprehensive range of rubber and steel crawled side frames or chassis are available for a variety of applications among which:

CRUSHERS AND SCREENERS

PAVER AND MILLING MACHINES

FOREST AND LOGGING MACHINES

SKID-STEER

DRILLING EQUIPMENT

EXCAVATORS

PLOW MACHINES

PILING MACHINES

AUGERS MACHINES

PIPELINE MACHINES

HARVESTER MACHINES

AMPHIBIOUS MACHINES



DESIGN
ENGINEERING



FINITE
ELEMENT
ANALYSIS



LAYOUT
ENGINEERING



PRODUCTION



APPLICATIONS

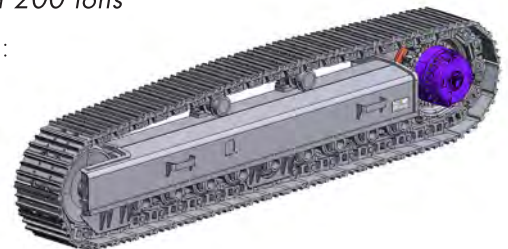


TRACKONE supplies different frame solutions:

SIDE FRAMES : *for machines with a total weight between 500 kg and 200 tons*

The following categories may be identified for this class of undercarriage:

1. Side frames to be welded
2. Side frames with flanges
3. Side frames with pivot points
4. Side frames with cross beams

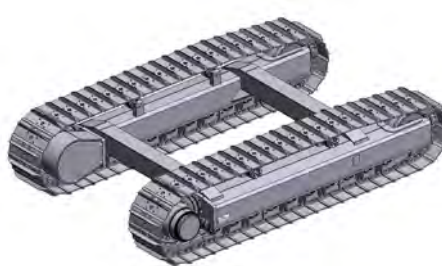
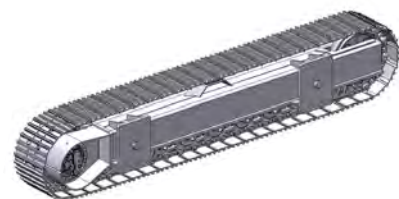


TRACKONE side frames are all made using ITR components.

The welded steel chassis are studied and designed for an optimal weight/resistance ratio.

The side frames are characterized by their high reliability and flexibility on any kind of terrain.

These frames are typically used for crushers, small drilling machines, conveyors, road pavers, milling machines.

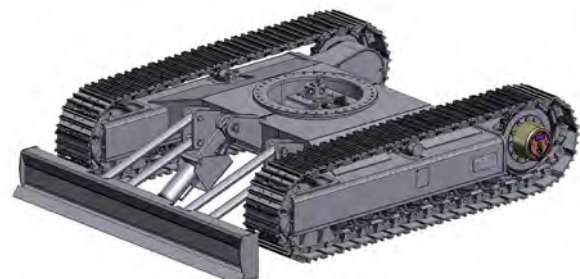


FRAMES WITH CENTRAL BODY

The chassis is studied and designed for high torsional rigidity, good vibration damping as well as high technical resistance. These undercarriages are supplied complete with base bearing (slewing ring), rotating distributor joint and hydraulic pipes ready for assembly on the customer's machine.

Accessories can also be supplied on request, such as hydraulically-controlled buckets, hydraulic and mechanical stabilizers or other components.

These undercarriages are typically used for excavators, drilling machines, forestry machines and cranes.



FRAMES WITH VARIABLE TRACK GAUGE

The extendable frames may be divided into the following categories:

1. PARALLEL EXTENSION.

In this type of frame translation of the side members occurs by means of staggered sliding cylindrical pairs distinct on each side.

The extensions are welded to the chassis and hence have distinct non-coinciding axes.

Two hydraulic cylinders drive the track expansion and contraction movement.

Because of the nature of the sliding seats, this type of frame has reduced play and is suitable for small cranes and small drilling machines.

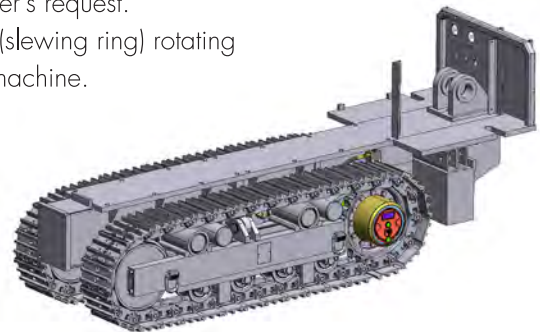
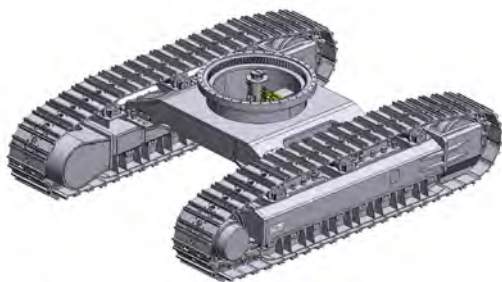


2. TELESCOPIC EXTENSION. In this type of frames, translation of the side frames occurs by means of an innovative system of concentric cylindrical pairs where the extensions (male) are welded to the side frames, while the sliding seats (female) and the central reaction guide are welded to the central body. The left and right sliding pairs share the same axis and, unlike the other undercarriages of the same category, have the same dimensions, thus guaranteeing perfect frame symmetry. Two opposed hydraulic cylinders drive the track expansion and contraction movement. This type of undercarriage is widely used in cranes, boring and drilling machines.

3. MECHANICAL TRACK VARIATION. In this type of frame, the side frames are bolted onto the central body. The position of the bolts allow varying the frame track by a predefined pitch. There are no hydraulic cylinders. This system allows only small total track variations, but has the advantage that there is no wear of any kind and very high robustness is ensured. It is mainly used in excavators and forestry machines.

Other types of extendable undercarriage can be developed on the customer's request.

Moreover, these undercarriages are supplied complete with base bearing (slewing ring) rotating distributor joint and hydraulic pipes ready for assembly on the customer's machine.



SPECIAL FRAMES : *designed specifically to customer's needs.*

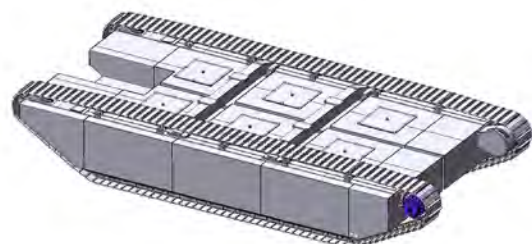
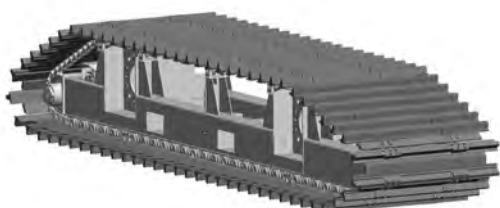
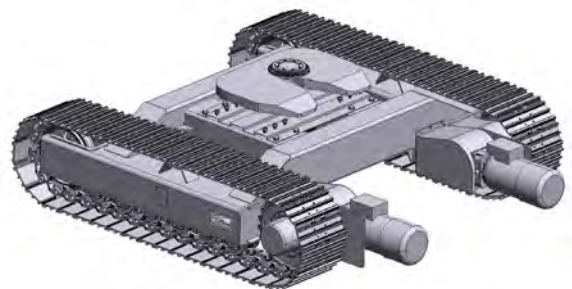
Electrical frames, especially used in conveyors operating in mines.

They are not equipped with a hydraulic circuit and instead of a hydrostatic transmission an alternator-inverter-electric motor unit is used.

They are developed for both medium/small applications (5 to 14 tons) and for large/very large applications (up to 250 tons).

Floating frames able to float on water and used for all those operations

to be carried out in lake environments (drainage, canalization, etc.) where the machine must not be fully immersed.



REPLACEMENT PARTS

ITR replacement parts coverage is considered the most extensive and complete product range of repair items available for Caterpillar® and Komatsu®. Throughout the last 40 years, the ITR repair parts coverage has grown and expanded through customer demand, constant market analysis and strategic acquisitions. The acquisition of ITR MECCANICA (former GRS), positions ITR as the world leader in pumps and gears manufacturing.

COOLING SYSTEM FANS, HOSES, IMPELLERS, OIL COOLERS, RADIATOR CORES, THERMOSTATS, WATER PUMPS
ELECTRICAL PARTS ALTERNATORS, ALARMS & BELL RINGS, BRUSHES, ELECTRICAL TERMINALS, FUSES, GAUGES, GLOW PLUGS, GOVERNOR CONTROL MOTORS, LIGHTS, HOUR METERS, STARTER MOTORS, SWITCHES
ENGINE PARTS CAMSHAFTS, CARTRIDGES, CHAMBERS, COMPRESSORS, CONNECTING RODS, CRANKSHAFTS, CYLINDER HEADS, ENGINE BEARINGS, ENGINE BLOCKS, ENGINE FERRULES, SEALS, FUEL INJECTION SYSTEM, GASKET KITS, GUIDES, HEAT SHIELDS, LIFTERS, LINERS, MANIFOLDS, MUFFLERS, PINS, PISTON PINS, PISTON RINGS, PISTONS, RING GROUPS, ROTATORS, SEALS, TURBOCHARGER VALVES
FILTERS AIR FILTERS, FUEL FILTERS, OIL FILTERS, STRAINERS
FRAME PARTS BALLS, BEARING SLEEVES, BOSS GUIDE, BOGIE MAJOR, BOGIE MINOR, CAPS, CONNECTORS, EQUALIZE BARS, GUARDS, INSERTS, PADS, PIN PIVOTS, PROTECTIONS, RETAINERS, SHAFT PIVOTS, STRIPS, TRUNNIONS
HARDWARE PARTS BOLTS, BONNETS, DOWN LIFTING EYEBOLTS, LOCK NUTS, NUTS, PINS, RIVETS, SNAP RINGS, WASHERS
HYDRAULIC PARTS CARTRIDGES, CYLINDER GROUPS, CYLINDER KITS, HEAD BEARINGS, HOSES, PISTONS, PUMPS, REPAIR KITS, RODS, VALVES, VICKERS PUMPS
PUMPS ENGINE OIL PUMPS, FUEL PUMPS, HYDRAULIC GEAR PUMPS, PISTON PUMPS, S PUMPS, TRANSMISSION PUMPS
TRANSMISSION PARTS AXLES, CAG JSCS, GEARS, HUBS, NEEDLE RS, PINIONS, PLANETARY GEAR IMPELLERS, TORQUE CON TORS, YOKES
OTHERS GLASS, HANDLES, MIRRORS SEATS, STEPS, WIPERS



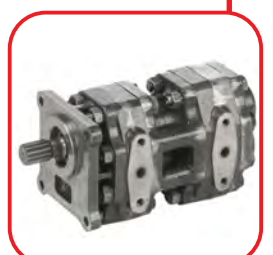
The essential characteristic that makes the ITR repair parts stand out lies in the numerous quality controls carried out at the production plants, at the suppliers premises and when the products come into ITR distribution hubs. ITR defines the product's quality requirements to be respected by the producers and conduces a joint quality planning to ensure the respect of the requirements. Validation of conformance to requirements and certification of qualified suppliers allows ITR products to have steady and constant characteristics, quality and features on all its range.



Broad expertise covers the entire complexity of the production process from die-casting and forging to heat treatments to the assembly.

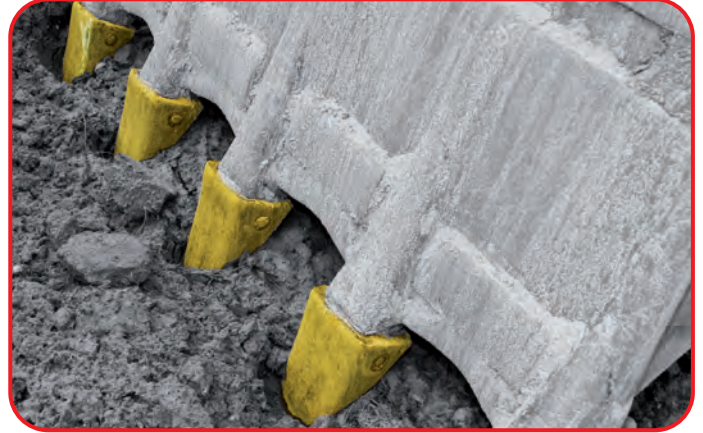
Among the other factories of the group ITR MECCANICA holds a very relevant position. The Company was set up in the late 60's and since 1970 has focused its main production on both the AM and OEM market segments.

In Modena facility, extending over 7.000 m² covered space in a total surface area of 12.000 m², ITR pumps and gears are developed, produced and tested. By using state-of-the-art machineries and experienced staff the Company offers one of the vastest range of the market: ITR MECCANICA boasts an annual production capacity of 60.000 pumps with more than 400 different types for Caterpillar® and Komatsu® machines.



G.E.T. GROUND ENGAGING TOOLS

ITR Ground Engaging Tools are the result of extensive research and design to provide excellent performance. The careful selection of steels and the proper heat treatment ensure the best overall performance and balance between hardness and durability. ITR G.E.T products benefit from the latest technological improvements, manufactured with state-of-the-art production processes to the highest quality standards.



ITR G.E.T products are developed to respond to market needs and trends. Products include a broad variety of components manufactured and selected for all kinds of applications.



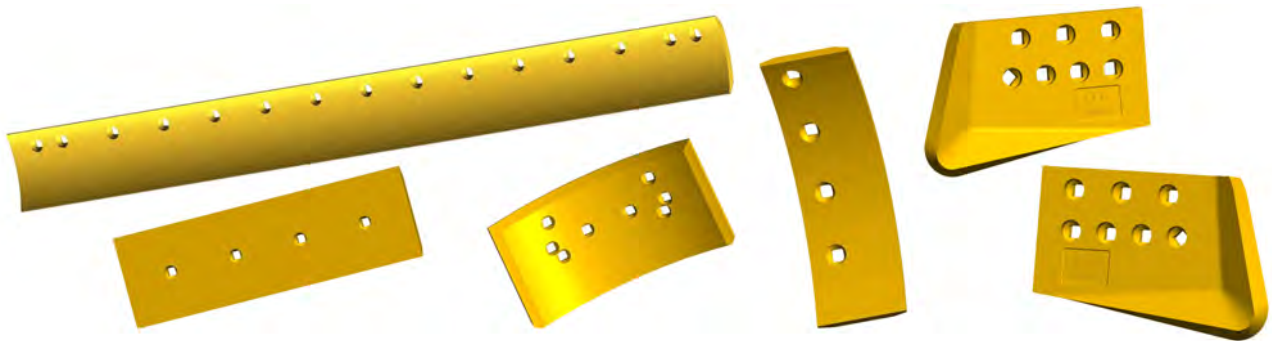
ITR product range comprises a wide selection of products among which giant shank and multishank rippers (ripper protectors, shanks, tips, scarifier shanks and tips), scrapers and compactors parts (cleaner bars and bar tips, compactor tips, scraper router bits and scraper blades), bucket wear protection parts (wear plates, side-cutters, side and corner protectors, wear buttons, chocky and armoured bars).



Tips and adapters range is suitable for all kinds of machine models, from mini, medium and large excavators to skid loaders, bulldozers and backhoe loaders. By selecting the correct product the best performance is also assured on all applications.



ITR product range also includes blades and steel profiles suitable for excavators and loaders buckets, blades for scrapers, dozer blades and end-bits for all blade models. Grader blades may be produced using standard material or using born steel in order to meet any market requirement.



UNIK LINE

USCO continuously invests in product innovation and development aiming to improve the quality of its products and services. The ITR UNIK line has been manufactured and designed for those applications where high penetration, impact resistance and increased wear life are essential.

UNIK FEATURES

- innovative and modern self-sharpening design to ensure excellent performance and high productivity
- reinforced pocket structure
- increased side pin protection
- high impact resistance
- selected steel composition
- extended wear life

UNIK EXCAVATOR PROFILES

LONG



SYMMETRICAL



ROCK CHISEL



PENETRATION



ROCK ABRASION



TIGER LONG



TWIN TIGER LONG



UNIK LOADER PROFILES

LONG FOR LOADER



ABRASION PENETRATION



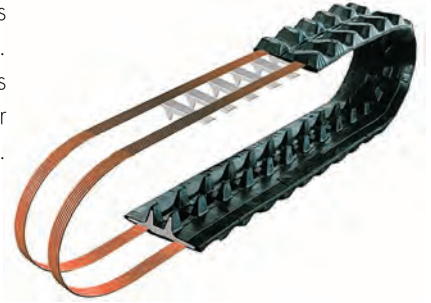
HEAVY DUTY ABRASION



MINI & RUBBER TRACKS

ITR RUBBER TRACKS are designed and manufactured with state-of-the-art technologies which allows excellent quality and durability. The rubber tracks are conceived as a result of the long experience, numerous field tests on standard and heavy duty conditions and the engineering ability.

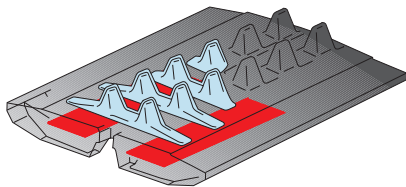
ITR RUBBER TRACKS use "continuous cable" technology. This market-proven technology balances the resistance, the flexibility and the strength along the complete track structure and minimizes the wear improving consequently the efficiency of the tracks during the use. The rubber structure integrates and provides a high protection to the cables and to the metal core that represents the carrying structure. The thick rubber layer functions as protection to the metallic structure by absorbing hits and shocks.



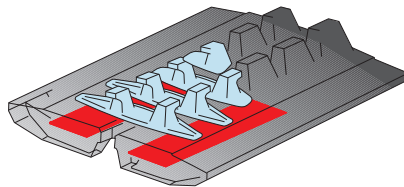
FEATURES

- forged iron core;
- cables with increase thickness
- high resistance to scratches and tears
- low noise and vibrations
- low ground pressure
- easily interchangeability with steel tracks

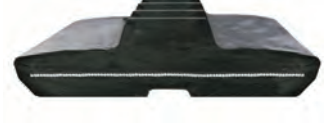
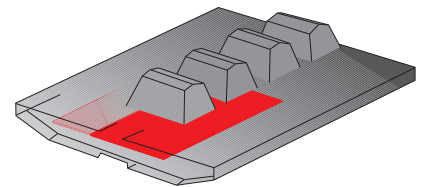
CONVENTIONAL



INTERCHANGEABLE



NON - METAL CORE



CONVENTIONAL STYLE TRACKS

CONVENTIONAL tracks can only be used on undercarriages that have been designed to operate exclusively rubber tracks. On Conventional rubber tracks the rollers do not have contact with the metal guide except for the purposes of guidance and derail protection. These types of undercarriages cannot operate on steel tracks.

INTERCHANGEABLE STYLE TRACKS

INTERCHANGEABLE rubber tracks can operate on undercarriages designed to operate both on steel and rubber tracks. On interchangeable rubber tracks the rollers operate in the same manner as a steel track.

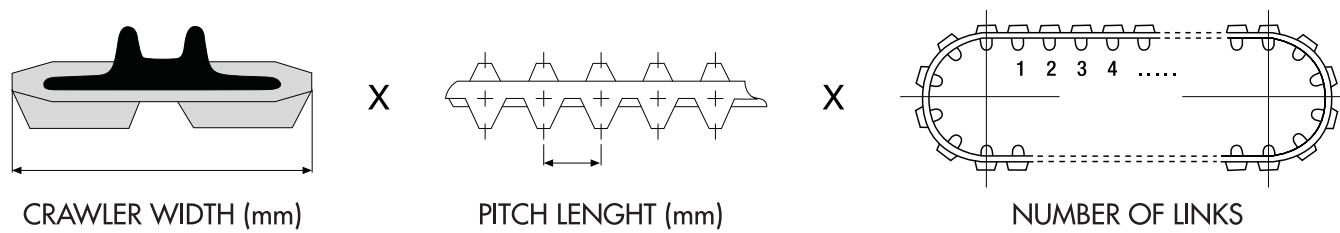
NON-METAL CORE (NMC) TRACKS

The **NMC** rubber tracks consist of a rubber compound and heavy duty inner cables. The specific lightweight structure, that does not present metal core insert, allows for a more flexible track system while the wide track design and the tread pattern provide more traction without losing flotation.

ANTI-VIBRATION (AV) TRACKS

The **AV** rubber tracks feature an innovative metal core and guide design aiming both to reduce vibrations and total weight guaranteeing equivalent resistance and reliability. In AV rubber tracks the roller moves along an even surface lowering the vibration to the maximum.

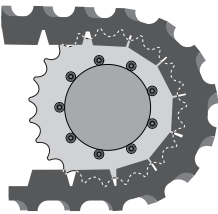
TRACK SIZE IDENTIFICATION Track's identification is carried out through three basic dimensions:



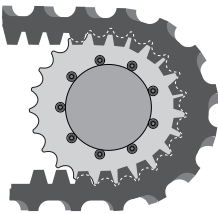
PITCH TYPE

The most relevant dimension of a rubber track is the **PITCH**. The pitch is the distance from center to center of two consecutive metal guides. Through the pitch, rubber tracks can be identified as **LONG** pitch (Rubber Tracks that have metal guides landing on every other sprocket tooth) or **SHORT** pitch. (Rubber Track that have metal guides landing on every sprocket tooth).

LONG PITCH

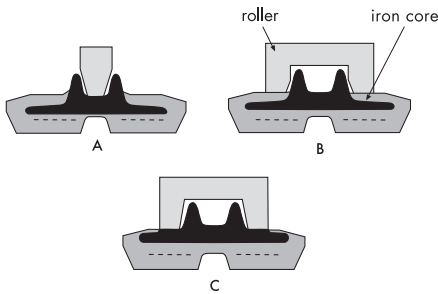


SHORT PITCH

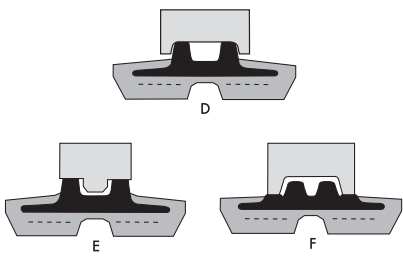


GUIDING SYSTEM

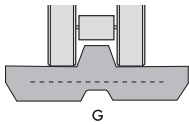
CONVENTIONAL



INTERCHANGEABLE



NON-METAL CORE



WIDTH	PITCH	GUIDING SYSTEM	SIZES (mm)						MACHINE MAX. LOAD	WEIGHT LINK
			1	2	3	4	5	6		
mm	mm								kg	kg
150	72	A	65	46	39	23	23	21	500	0,51
180	60	B	61	54	32	25	20	22	500	0,60
180	72	A	70	51	38	24	29	30	700	0,69
180	72K	C	64	53	40	21	22	20	700	0,91
190	72	A	68	50	38	21	28	27	800	0,70
200	72	A-B	76	56	40	23	28	26	1200	0,90
200	72K	C	71	53	39	23	30	29	1200	1,09
230	72	A	82	57	40	24	30	26	1400	1,23
250	72	A	82	57	40	24	30	26	1400	1,32



NEW LINES

BUCKETS

USCO offers a complete range of standard and reinforced buckets, for digging and loading purposes, both for excavators and loaders. The range also includes buckets with customized profiles, improved thickness and anti-wear materials for standard and heavy - duty applications. Thanks to the wide range of ITR wear protections, buckets lend themselves to an extreme customization.



The broad range also consists of general purpose buckets, ditch cleaning buckets, trapezoidal buckets, skeleton buckets, rock buckets, heavy duty buckets and tilting buckets.

HYDRAULIC HAMMERS

The new line of ITR hydraulic hammers, which includes a wide range of hammers of different weights and powers, is fully designed and manufactured in Italy.

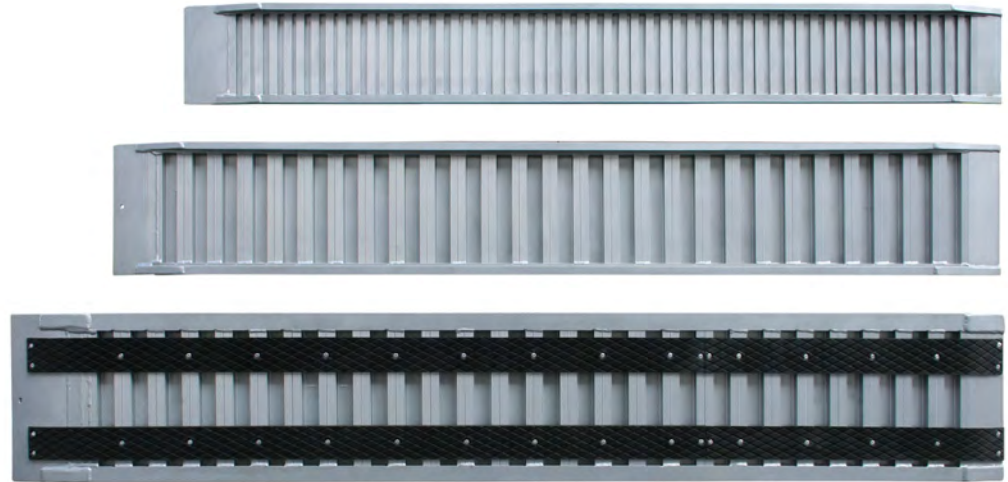
Using the most advanced technologies, ITR hydraulic hammers are characterized by functional design combined with powerful energy.

ITR hammers are environmentally friendly, performing at once outstanding impact strength and low noise emissions. They become the ideal tool for both residential areas and heavy duty applications.

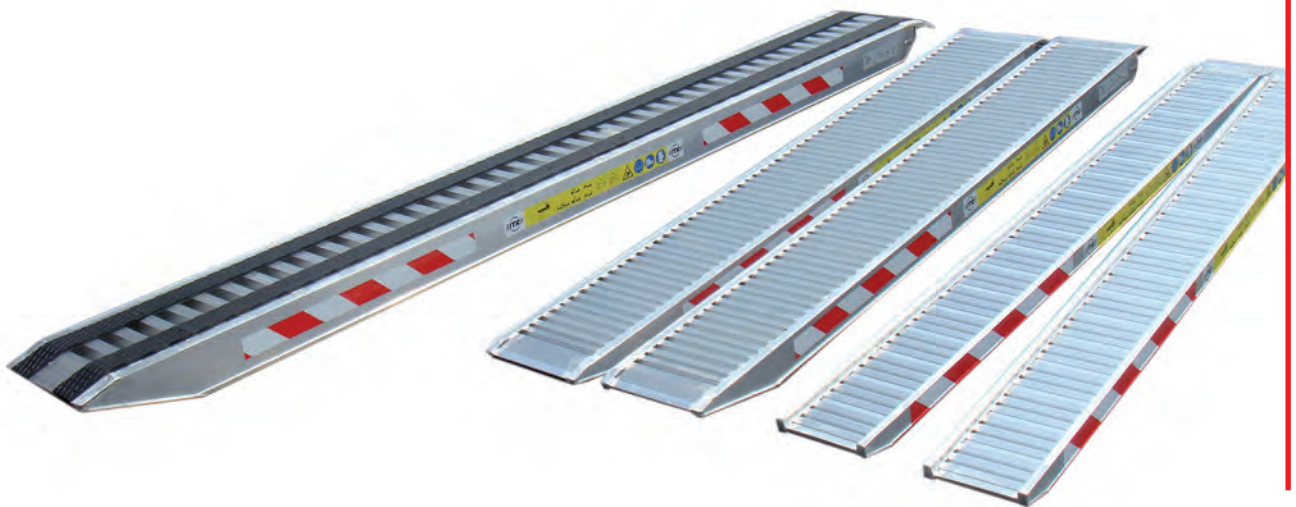


ALUMINUM LOADING RAMPS

ITR aluminum loading ramps are conceived and engineered for loading and unloading an extensive assortment of vehicles and machines in various industry sectors such as building (mini and medium excavators, platforms, compactors, etc.), agriculture (tractors, lawn mowers, wheelbarrows, etc.), transport (forklifts, lorries, cars, etc.) and leisure/spare time (motorcycles, snowmobiles, etc.). ITR aluminum loading ramps are manufactured in accordance to ISO 9001 standards. The production procedures imply the use of high safety standards at engineering stage including "structure calculations" and "finite element analysis".



USCO manufactures one of the largest aluminum loading ramps range with load capacity up to 12 tons both for steel or rubber crawled and wheeled vehicles. ITR loading ramps are available with or without edges and with different connection systems following customers' needs or applications requirements. The product variety includes light applications such as gardening, through medium applications such as excavators.



Bucket product range
can be consulted on the
"ITR BUCKETS CATALOGUE"

ITR loading ramps product range
can be consulted on the
"LOADING RAMPS CATALOGUE"

ITR hydraulic hammers product range
can be consulted on the
"HYDRAULIC HAMMERS CATALOGUE"



CERTIFICATIONS

Acknowledged for surpassing quality and commitment, USCO undercarriage manufacturing facilities are endorsed with various International certification including:

ISO 9001:2008

TS16949:2009

ISO 14000:2004

To manage the steady and continued high level of product quality R&D, Engineering and Quality departments continually upgrade production technology and management procedures in order to support the integrity and the value of the products as demanded by industry expectations and international standards.





PASSION FOR PARTS

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