

## UNDERCARRIAGE FOR "ALL MAKES & MODELS"

Quality Undercarriage & Repair Parts for use on equipment manufactured by:  
Cat, Case, Deere, Hitachi, Hyundai, Kobelco, Komatsu, Volvo,  
and other fine manufacturers.

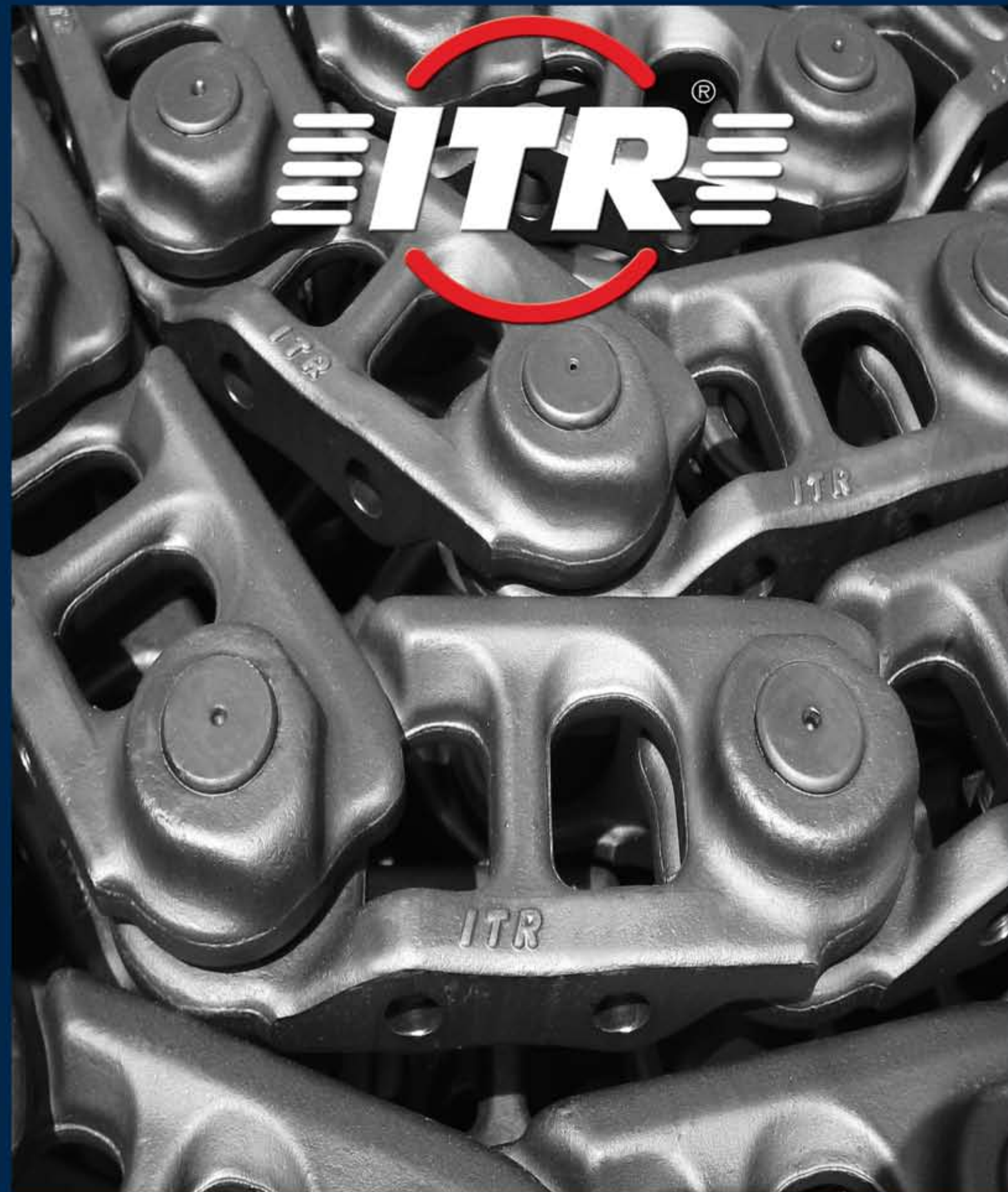


Track Chains and Groups, Pins & Bushings, Sprockets & Segments, Track Shoes,  
Rubber Track, Rollers, Idlers, Track Frame Components,  
and other popular repair parts.

ITR America is your direct link to the world's largest manufacturers  
of High Quality Undercarriage and Repair Parts.



ISO 9001-2000



# ITR Track Chains

Parts Solutions  
for the  
Wholesale Dealer



Links

ITR Links are designed using the latest CAD (Computer Aided Design) systems to maximize the contact surface between pins and bushings and are machined to precise tolerances to insure perfect fit and sealing. Rail hardness is  $\geq$  Rockwell C50 with a case hardness depth up to 12 mm. depth depending on link size. Core Hardness is  $\geq$  Rockwell C 32.

Split Links are profiled according to the latest OE design using "State of the Art" EDM wire cutting technology.



### Forged Links

ITR Links are forged from Boron Steel, quenched, tempered, and induction hardened using the latest automated link hardening equipment to ensure excellent wear resistance under even the most severe working conditions.

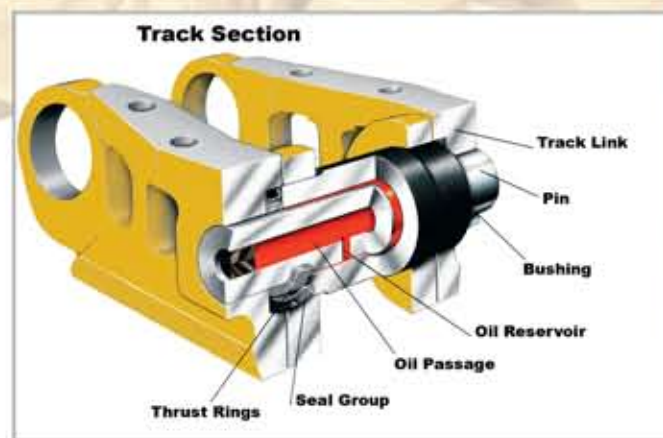


### Sealed & Greased Excavator Chains

Excavator links are lubricated using "Extreme Pressure Synthetic Grease" and fitted with the latest style Polyurethane Seal Groups to maximize lubricant retention and insure long life.

### Sealed & Lubricated Dozer / Loader Chains

Lubricated Dozer Chains are sealed with Polyurethane Seals and Metal rings to extend operating life and to eliminate the possibility of dry joints between "wet turns".



Bushings

The surface hardness of the Track Bushing is critical for uniform wear resistance and long life. ITR Bushings have a surface Hardness of Rockwell C55, to a depth exceeding 3.5 mm. The inner Bore surface is hardened to a Rockwell C53 to a depth exceeding 3.5 mm.



### Pins & Bushings

Pins and bushings are critical to track chain wear life and are manufactured and dimensionally matched to ensure a perfect fit and sealing and joint integrity. Outside Surface Hardness is  $\geq$  Rockwell C58 to a depth of  $\geq$  4 mm. with a core hardness of  $\geq$  Rockwell C34.



### Chain Assembly

Lubricated Chains are assembled on fully automated chain assembly lines. Seal installation, Plug introduction and Oil fill quantities are 100% computer controlled and every joint is individually pressure tested to eliminate the possibility of leakage during working conditions.

Min / Max interference fit tolerances between the Pins, Bushings and Links are maintained automatically by min/max Press force specifications. This process minimizes link breakage and pin / bushing drifting.



### Custom Assembled Track Groups

ITR America will custom assemble track groups with a wide variety of track shoe designs upon request.

### Warranty

All ITR Chains and Undercarriage are covered by one of the strongest Warranties in the industry. For more details, contact ITR America.