



**YSM**

## ABOUT US



Quanzhou Yongsheng Machinery Parts Co., Ltd is located in Quanzhou City, Fujian Province, which is one of the most developed regions of China Machinery Manufacturing. The company was established in 2003, after approximately 10 years' effort, and now it is one of the leading construction machinery parts and auto parts manufacturers in CHINA.

In addition, the company strictly implemented ISO9001 Quality Management System and ISO14001 Environmental Management System so as to provide the excellent quality products for customers, and the products have been widely recognized by our domestic and international consumers.

Our products consist of undercarriage parts for bulldozer and excavator such as Track link, Track roller, Carrier roller, Sprocket, Idler, Track shoe, Cutting edge, End bit, Tooth, Bucket, Track pin, Track bush, Engine parts, Track bolt & nuts, U-bolt, Centre bolt, Wheel bolt and other related parts.

A complete sales network has been set up in a lot of countries, such as USA, Canada, UK, Singapore, Russia, Brazil and etc. "Yongsheng Machinery" will be your reliable partner forever.



Our construction machinery parts are suitable for numerous world's famous excavator, bulldozer and loader manufacturers including Komatsu, New Holland, Sumitomo, Kato, Hitachi, Caterpillar, Kobelco, Daewoo, Hyundai, Volvo, JCB, John Deere, Fiat, Liebherr, Dresser, Case, Bobcat etc.

The below table shows the model which we can produce, also we can manufacture the parts according to your Samples or Drawings.

|                    |                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Komatsu</b>     | PC20 PC30 PC35 PC40-5 PC40-6 PC40-7 PC50 PC60-1 PC60-3 PC60-5/6 PC60-7 PC75 PC80 PC100-5 PC120-2 PC200-1 PC200-2 PC200-3 PC200-5/6 PC220-3 PC200-7 PC240-3 PC300-5/6 PC300-7 PC350 PC400-5/6 PC650 PC1000-1                                                                                                                                                 |
| <b>Hitachi</b>     | UH045 UH052 UH053 UH063 UH07-5 UH09-7 UH04-7 UH083 EX20UR-1/2 EX30 EX40-1 EX45-1 EX50UR EX60-5 EX70 EX90 EX100 EX100M EX120 EX150 EX200 EX205-1 EX200-2/3/5 EX220-1/3 EX220-2 EX300 EX300-3 EX300-5 EX320/021 EX330 EX350 EX400 EX400-5 EX550 EX350 EX700 EX750-5 EX1100 ZAXIS50 ZAXIS55 ZAXIS230 ZAXIS240 ZAXIS270 ZAXIS330 ZAXIS360 FH220-3 FH220-3 FH330 |
| <b>Caterpillar</b> | E70B CAT307/308 E120B E180 E200B E215 E215 CAT215BLC CAT225 CAT225DLC CAT235 CAT235DLC E240 E240B CAT311 CAT312 CAT313SR E300 E300B E300D E320B E320C CAT322 CAT325 CAT325LNL E330 E330B CAT330LN CAT345 CAT350 E450                                                                                                                                        |
| <b>Sumitomo</b>    | LX02/03 LX08 SH60 SH75-3 SH100 SH120 SH200 SH220 SH250 SH260 SH280 SH300 SH340 SH580 SH450 LS200 LS200 LS280 LS1200 LS1600 LS2035 LS2050L LS2650 LS2800 LS2800FJ2 LS3400EJ LS4300FJ2 LS5600C2 SC800 SC1000                                                                                                                                                  |
| <b>Kobelco</b>     | K903 K904B K904C K907B K907C K907D SK07 SK027 SK04N2 SK07N2 SK09N2 SK60 SK100 SK120 SK120LC SK200 SK200-6 SK220 SK230 SK235 SK300 SK310 SK320 SK330-6 SK350 SK400                                                                                                                                                                                           |
| <b>Volvo</b>       | EC55 EC210-7 EC240 EC290 EC360 EC460                                                                                                                                                                                                                                                                                                                        |
| <b>Daewoo</b>      | DH55 DH220-3/5 DH220LC DH280-2 DH280-3 DH320 DH330 DH360                                                                                                                                                                                                                                                                                                    |
| <b>Hyundai</b>     | R60 R60-5 R60-7 R130 R200 R210 R220 R290 R290LC-7 RX300 R305 R320 R914B                                                                                                                                                                                                                                                                                     |
| <b>Kato</b>        | HD250 HD400-2 HD400-5 HD450 HD700 HD770 HD820 HD880-1 HD1250 HD1880                                                                                                                                                                                                                                                                                         |
| <b>Mitsubishi</b>  | MS40 MS70-8 MS110-8 MS120 MS180-3 MS240 MS300-8                                                                                                                                                                                                                                                                                                             |
| <b>Bulldozer</b>   | D20 D30 D31 D3B D3C D3D D40-1 D41-6 D4C D4D D4H D5 D50 D5B D5H D5M D6B D6C D6D D6H D6R D6S D7 D7E D7F D7G D7R D80 D85-12 D85-18 D8L D8G D8H D8K D8N D8R D9L D9N D155 D155A-1 D155AX D275 D355 D355A-3 D375-2/3                                                                                                                                              |



# PRODUCTS

## Track Rollers



- YSM offer wide choice of single, double flange suitable for mini-excavators, excavators and crawler tractor machines ranging from 0.8 to 167 tonne.
- Special versions suitable for road milling machines, pavers and forestry.
- Hot forged roller shell to obtain excellent internal fiber flow distribution.
- Differential hardening heat treatment for bell mouthing resistance and longer wear life.
- Precision design and advanced technology manufacturing of all components to ensure maximum reliability and life span.

## Carrier Rollers



YSM carrier rollers are through hardened for long wear life, unmatched structural support, and resistance to deformation. Excellent seals help ensure lifetime lubrication to extend life, permit roller reshelling, and lower your costs. maximum reliability and life span.

## Idlers



Whether cast, forged, or fabricated, YSM idlers provide superior structural support and rebuild capabilities.

Special heat treat process help ensure proper hardness levels, providing wear resistance. Excellent seals help ensure lifetime lubrication, eliminating idler maintenance and lowering operating costs.





## Segment Groups & Sprockets

- YSM provide wide choice of sprockets and sprocket rims suitable for track-type earthmoving and special machines ranging from 0.8 tonne to 125 tonnes.
- "Precision" forged sprockets, bolt-on sprockets and weld-on sprockets ensure perfect assembly and eliminate the risk of bolt misalignment and loosening.
- Wide range of three to six teeth segments matching any type of track-type machines ranging from 6 to 100 tonnes.
- Effective hardened depth resulting in excellent wear and longer life.
- Sprockets, bolt-on sprockets and weld-on sprockets cast with special steel for perfect internal and external homogeneity providing resistance to deformation.

## Track Chains & Track Groups



- YSM track chains ranging from link pitch 90 mm to link pitch 280 mm. Suitable for all kinds of earthmoving, agricultural and special machines.
- Wide choice of dry track chains, sealed track chains, sealed track chains with polyurethane seals, and lubricated track chains.
- Sturdy link design for long wear life resistance.
- Excellent seals on all lubricated chains for long wear life resistance.
- Links, pins and bushings with high surface hardness and deep hardened depth for long wear life.
- YSM patented split link providing quick and easy track removal and installation time.
- Assembled from high precision components designed and manufactured to ensure maximum reliability.

## Bolts & Nuts

YSM bolts, nuts and washers are available in a wide range of inch and metric sizes with different surface treatment and, depending on your application. YSM bolts are according to DIN, ANSI, BS, JIS, and AS standards.

YSM bolts meet or exceed strength specifications and are made from fine high-grade alloy steel for greater toughness and fracture resistance. Hot forged for greater strength and heat treated to a minimum tensile strength of 150, 000 S. I. With a core hardness of Rockwell HRC23-42 to provide superior wear resistance.

### Track bolts & nuts,

Grade from 8.8 to 12.9;

Cold heading/hot forging;

The surface is treated with bluing, screw thread has two type description;

one is the metric system: M12-M30, another is denominator system: 1/2-1 1/4

### Segment bolts, Plow bolts

#### Suitable model:

D20 D30 D31 D38 D3C D3D D40-1 D41-6 D4C D4D D4H D5 D50 D5B D5H D5M D6B D6C D6D D6H D6R D6S D7 D7E D7F D7G D7R D80 D85-12 D85-18 D8L D8G D8H D8K D8N D8R D9L D9N D155 D155A-1 D155AX D275 D355 D355A-3 D375-2/3 D475



Track Bolt



Segment Bolt



Plow Bolt



## Track Pins & Bushings

YSM pins and bushings are dimensionally matched to the links and manufactured to provide excellent track joint integrity. This design helps ensure maximum salability. High surface and core hardness translate into increased strength and wear resistance.



## Track Shoes

YSM provide wide range of single, double and triple hot rolled profiles suitable for chains ranging from link pitch 90 mm to link pitch 260mm.

More than 2000 different configurations for any customized applications from standard to extreme service shoes.

Wide choice of cast and forged shoes for special applications and mining.

Special alloy-boron steel and proper heat treatment for bending resistance and high wear life on all applications.



## Cutting Edge & End Bit

**Bulldozer:** D20 D30 D31 D3B D3C D3D D40-1 D41-6 D4C D4D D4H D5 D50 D5B D5H D5M D6B D6CD6D D6H D6R D6S D7 D7E D7F D7G D7R D80 D85-12 D85-18 D8L D8G D8H D8K D8N D8R D9L D9N D155 D155A-1 D155AX D275 D355 D355A-3 D375-2/3 D455 D475 D575 etc.

**Grader:** 14G, 16G, 16H, GD series etc.

## Bucket Teeth & Adapters

| Material | Impact        | Hardness(HRC) |       |
|----------|---------------|---------------|-------|
| Grade 1  | Carbon Steel  | 20**17J       | 47-52 |
|          |               | -40**17J      |       |
| Grade 2  | Alloy steel   | 20**20J       | 47-52 |
|          |               | -40**14J      |       |
| Grade 3  | Special alloy | -20**22J      | 47-52 |



## Buckets , Bucket Pins & Bucket Bushings

For bucket pins,after thermal refining,then do surface treatment,to assure the enough inside hardness and outside wearlessness.

For bucket bushings,after thermal refining,then do surface treatment,to guarantee the reasonable inside hardness and outside resistance.

| Type              | Material                        | Working Environment                                                                                      |
|-------------------|---------------------------------|----------------------------------------------------------------------------------------------------------|
| Standard Bucket   | Q345B                           | For digging clay, or loading the sand, mud and gravel                                                    |
| Heavy duty bucket | Q345B                           | For digging the tough mud, clay with soft stone or loading the secondary tough stone and rock.           |
|                   | NM360+Q345B                     | For digging the rubble, gravel and clay with tough stone, or loading the secondary tough stone and rock. |
| Rock Buckett      | HARDOX500 +Q345B or NM360+Q345B | For loading the tough rock and the mineral from the explosions.                                          |

### Bucket Capacity Range:

| Machine     | Dimensions(cbm) |
|-------------|-----------------|
| Caterpillar | 0.2-3.6         |
| Hitachi     | 0.2-5           |
| Komatsu     | 0.2-4.5         |
| Sumitomo    | 0.2-2.5         |
| Hyundai     | 0.2-2.5         |
| Kobelco     | 0.2-4.5         |
| Volvo       | 0.2-3.6         |
| Liebherr    | 0.8-2.2         |
| Kato        | 0.8-1.2         |
| Sany        | 0.2-1.8         |
| Doosan      | 0.8-3.5         |



Bucket



Bucket pin



Bucket pin



Bucket bushing



Bucket bushing



## Other parts



Bucket tooth pin



Loose link



Master link



Recoil spring

