Multiple Attachment Compatibility

One Machine, Multiple Uses — Easily Handle Various Working Conditions



TONA TRANSMISSION

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Company Profile



Ningbo Tuona Transmission Equipment Co., Ltd. is a specialized manufacturer dedicated to the research, design, and sales of planetary gear reducers, lawn mower gearboxes, and various transmission components and equipment. The company supports custom orders based on drawings or samples, as well as a range of processing services.

The company specializes in: agricultural and forestry machinery, mining machinery, construction and transportation equipment, various sliding attachments for engineering machinery, excavator attachments, as well as the processing of hydraulic components and parts that accompany them.

The company is located in Gaoqiao Town, Haishu District, Ningbo City. It has precision workshops, welding workshops, assembly workshops, as well as testing and laboratory facilities.

The company prioritizes quality and puts customers first, ensuring worry-free after-sales service. We welcome both new and regular customers to visit and offer guidance!

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PRODUCT DISPLAY













Our Catalog

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Lawn mower gearbox



XH30-1.92

30HP Mower Gearbox	
Transmission Ratio	1:1.92
Transmission Type	Hydraulic Transmission
Input Power	30HP
Input Speed	540 r.p.m
Output Torque	20N.m
Hydraulic Flow	6-15gpm



XH60.193Z.01LW

60HP Mower Gearbox	
Transmission Ratio	1:1.93
Transmission Type	Hydraulic Transmission
Input Power	60HP
Input Speed	540 r.p.m
Output Torque	105 N.m



XH100.193Z、01.LW

100HP Mower Main Gearbox	
Transmission Ratio	1:1.93
Transmission Type	Hydraulic Transmission
Input Power	100HP
Input Speed	540 r.p.m
Output Torque	135 N.m

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Planetary Reducer



3T2A41403H1

Drive Type	Hydraulic Drive
Reduction Ratio	3.6:1
Hydraulic Flow	gpm
Rated Output Torque	950 N.m
Max Peak Output Torque	2800 N.m
Max Input Speed	1000 rpm
Output Shaft: Hex Shaft	S50.8mm、Round Shaft 50.8mm



4T2A51405H1

Drive Type	Hydraulic Drive
Reduction Ratio	5:1
Hydraulic Flow	6-15 gpm
Rated Output Torque	2450 N.m
Max Peak Output Torque	4800 N.m
Max Input Speed	1000 rpm



NT303L1-3.29-HC-W0

Reduction Ratio	3.29:1
Max Intermittent Input Speed	2630 rpm
Max Output Torque	755 N.m
Motor Working Pressure	25 Mpa

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NT3 Series Right-Angled Planetary Gear Reducer

•Product Attributes: Belongs to heavy-duty industrial transmission equipment

•Core Applications: Primarily used in automation, aquaculture, and environmental protection industries

•Technical Features:

•Structure: Adopts a first-stage helical parallel shaft and second-stage planetary transmission structure, with multi-stage design options based on customer requirements ·Performance: High load capacity, rated torque range typically between 200-58,000 N.m, with a maximum transmission ratio of 125:1

•Advantages: Mechanical transmission design featuring low noise, high efficiency, strong reliability, and easy maintenance

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NT3 Series Planetary Gear Reducer

- Product Attributes: Special gearbox for roller press, classified as heavy-duty industrial transmission equipment.
- Core Applications: Primarily used in material crushing processes within the cement and mining industries, serving as the core transmission component in roller press systems.
- Technical Features: Structure: Employs single-stage and multi-stage planetary transmission design.

  Performance: Offers high load capacity, with a rated torque range typically between 200-58,000 KN.m, transmission ratio up to 125:1, low noise, high efficiency, easy maintenance, and customization support.

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Nt4 Series Planetary Reducer (Travel Drive)

This NT-series travel planetary reducer is a core drive component in the hydraulic system of construction machinery. It is mainly used for track travel drive of heavy equipment such as excavators and bulldozers with 10-36 tonnage.

Displacement: 37, 40/56, 55/63 mL/r

Control Method: Hydraulic Two-point Variable Displacement

Application Fields: Multi-functional Skid Steers, Tracked Combine Harvesters, Self-propelled Tracked Rotary Tillers, Tracked Tractors, Winches, etc.

Customization Available According to Customer Requirements

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NT300、NT316Series Planetary Reducer (Travel Drive)



This is a 2-stage planetary reducer.

Core Functions and Features

- **High Torque Output**: Designed for heavy-duty applications, this unit greatly boosts output torque. It resolves issues such as weak startup power and power slipping under heavy loads, improving operational efficiency.
- **Precision Structure**: It consists of precision internal components including sun gear, planet gears, planet carrier and ring gear. It delivers shock resistance, smooth operation and long service life.
- **Multi-stage Transmission**: Flexible for multi-stage transmission combinations to achieve adjustable gear ratios. It features easy installation and simple maintenance.

Main Application Scenarios

- **Construction Machinery**: Widely used in excavators, cranes, transport equipment and more as power-head drive units.
- **Other Industrial Fields**: Suitable for transmission systems of mining machinery, marine machinery, injection molding machines, zinc die-casting machines, steel plants, chemical plants, screw conveyors and other equipment.

Customization is available for this type of reducer. Structural designs vary by specifications and models, such as hydraulic drive and motor drive versions, which are mainly tailored to customer requirements.

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NT3501-3510 Series Planetary Reducer (Travel Drive)



This is a torque limiter (precision planetary reducer). Features of the unit:

- Structure: It adopts a split flange design. The main body is blue, fitted with mounting flanges at both ends, and connected by bolts in the middle.
- Function: Mainly used in mechanical transmission systems. It delivers high output torque with multi-stage reduction and a wide gear ratio range, typically from 36:1 to 585:1. This type of equipment is commonly applied in automated machinery requiring high precision and fast response.

Customization is available for this reducer. It can be tailored to customer requirements including mounting type, output torque, hydraulic or motor drive, and most importantly, the required gear ratio.

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N T7 Series Rotary Planetary Reducer (with Brake Device)

Rotary planetary gear reducers are widely used in heavy-load applications requiring rotary motion.

- **Applications**: Upper rotation of truck cranes, crawler cranes and aerial work platforms in construction machinery; platform rotary drive for excavators and rotary drilling rigs; slewing mechanisms of portal cranes, quayside container cranes and floating cranes in port lifting industry; deck cranes and offshore platform hoisting systems; metallurgy and mining sectors.

- **Application Scenarios**: Slewing motion of the boom for bucket-wheel stacker-reclaimers; precision positioning drive for converters and ladle tilting devices; rotating arms of fire ladders and emergency rescue vehicles, large rotary sorting systems in automated warehousing and other automated equipment.

- **Technical Parameters**: Hydraulic drive Displacement: 37, 40/56, 55/63 L/r Reduction ratio: 28:1–165:1 Output torque: 3000 N·m – 110 kN·m Motor operating pressure: 25 MPa – 40 MPa

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Hydraulic Auger (TCAU48)

Augers with diameters of 8 inches, 12 inches and 18 inches can drill holes of suitable sizes to meet various requirements. The hydraulic motor drives the auger through a sealed planetary gear reducer. Adopting a heavy-duty full gear design, this planetary gear reducer features long service life and low maintenance & service costs.

Auger Flight Diameter: 8 in = 205 mm

12 in = 300 mm

18 in = 450 mm

Hydraulic Flow Rate: 6–15 gpm

Rated Output Torque: 950 N·m

Max Peak Output Torque: 2800 N·m

Max Input Speed: 1000 rpm

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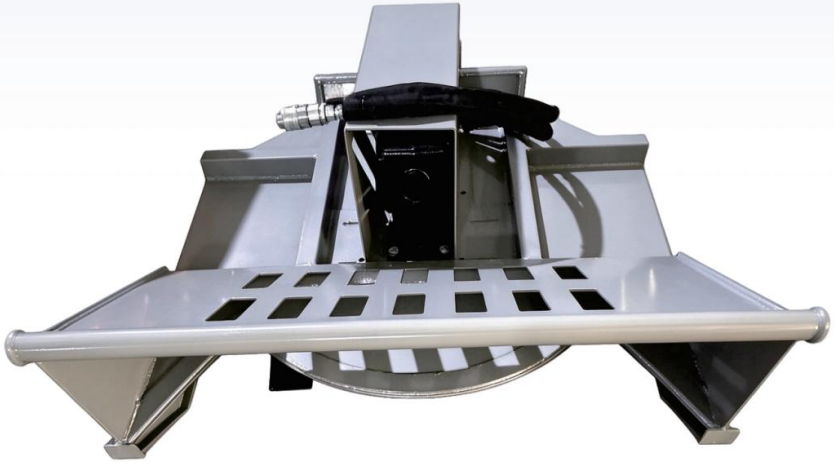
48 Hydraulic Mower (TCBC48)



This skid steer mower is designed for clearing fields and brush, working on rough terrain. It can easily operate in hard-to-reach areas to clear small limbs and perform precise brushing. Our mower is suitable for overgrown lots, dense landscapes and weedy areas. It can cut materials with a diameter up to 3 inches (subject to flow rate and material properties).

- **Dual-blade System:**

Hydraulic Flow Rate: 14–20 gpm

Output Power: 30 HP

Transmission Type: Hydraulic

Applicable Machine: Skid Steer Loader



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72" Large Heavy-Duty Hydraulic Mower (TCBC72, TCSC72)



These two hydraulic brush cutters are mainly used in agricultural, forestry and engineering operations to clear shrubs, weeds and small trees. Suitable for dense vacant land, thick landscapes and overgrown weedy areas.

- Core Features:- Cutting Capacity: Maximum cutting diameter of 7–10 inches for branches or shrubs.
- Working Width: Cutting width of 66 inches, overall width 72 inches, ideal for large-area rapid clearing.
- Power Requirement: Hydraulic system driven; recommended hydraulic flow rate: 14–20 gpm.
- Cutting Blades: 4 pieces
- Compatible Machines: Skid steer loaders, excavators or tractors
- Robust construction, suitable for outdoor harsh environments.



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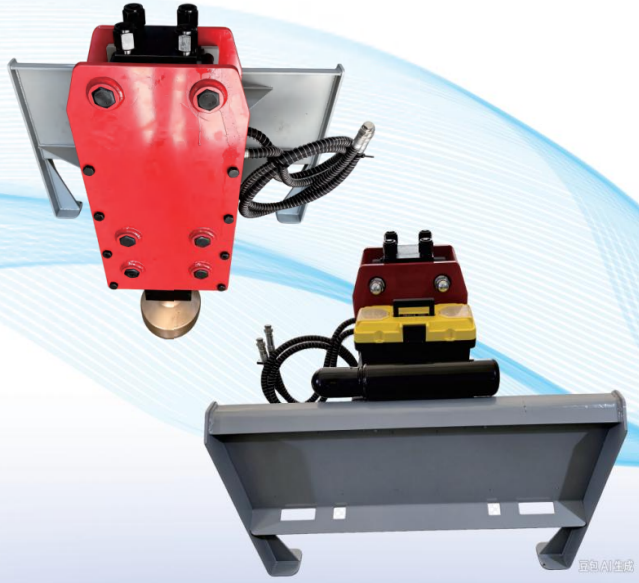
68 Hydraulic Breaker (THB68)

Designed for durability and efficiency, it adopts a compact, quiet box structure with an integrated polyurethane buffer. While delivering powerful breaking performance, it reduces vibration and noise. Featuring a heavy-duty structure and long service life, it comes with a 12-month warranty. It allows operators to use attachments for fence installation and concrete breaking, enhancing the machine's versatility.

- **Application Range**: Concrete breaking, demolition works, foundation engineering and trench preparation, road & pavement demolition, rock breaking, utility installation, fence post driving (optional upgrade)
- **Technical Parameters**:
  - · Model: Nt680
  - · Applicable Bucket Capacity (m^3): 0.15–0.25
  - · Operating Oil Pressure (kg/cm^2): 95–130
  - · Applicable Machine Weight (ton): 3–7
  - · Hydraulic Oil Flow (L/min): 30–60
  - · Nitrogen Pressure (Bar): 4.0–6.0
  - · Chisel Diameter (mm): 68
  - · Applicable Machines: Skid Steer Loaders, Excavators



68 Post Driver (THPD68)

This equipment is mainly used for construction machinery to quickly drive posts into the ground.

- **Product Name & Type**

  Name: Post Driver Type: (Breaker / Impact Type)

  Power Source: Adopts proven nitrogen power unit to deliver powerful impact force

  Frame: Steel plate frame, sturdy and durable

  Head: High-strength steel round top head for efficient contact and post driving
- **Main Parameters**

  Model: 1350

  · Operating Oil Pressure (kg/cm^2): 95–130
  · Hydraulic Oil Flow (L/min): 30–60
  · Blow Frequency (bpm): 450–750
  · Hose Diameter: 1-1/2 inch (ID)
  · Chisel Diameter (mm): 68 (Big head: OD ϕ220, ID ϕ200)
  · Matching Bucket Capacity (m^3): 0.15–0.25
  · Matching Machine Weight (ton): 3–7
  · Nitrogen Pressure (Bar): 4.0–6.0
- **Applicable Machines**: Skid Steer Loaders, Excavators

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Land Clearing Mulcher (Drum Wood Chipper) (TLCM72)



It is an engineering machinery attachment. It is mainly installed on heavy equipment such as tractors or excavators, used for shredding branches, shrubs and weeds, wasteland reclamation, land consolidation, obstacle removal and afforestation.

Main Parameters

- Working width: 72 inches (approx. 1830 mm), suitable for road construction preparation and mine reclamation
- Number of teeth: 50 Rotational speed: 2200–3000 rpm
- Maximum torque: 156 N·m
- Working pressure: 10–30 MPa, Hydraulic flow rate: 40–130 L/min
- Overall dimensions: 2130×780×710 mm
- Applicable models: Skid steer loaders, excavators, tractors

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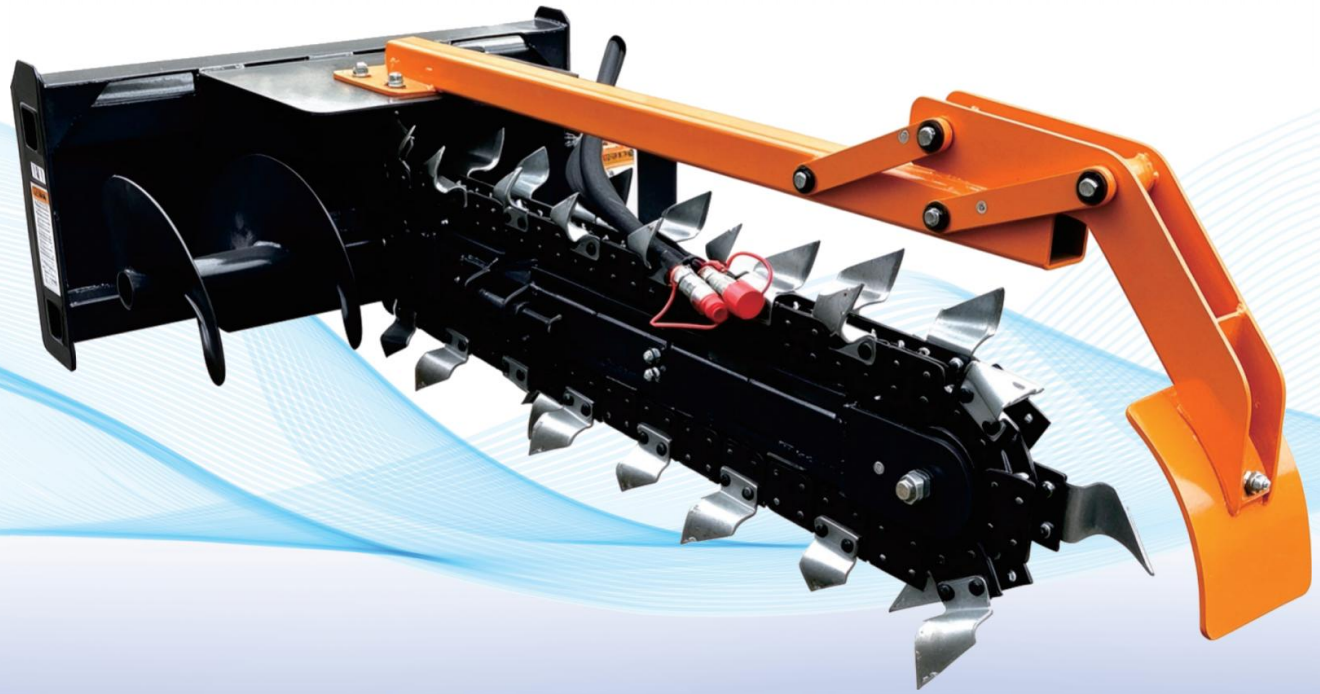
Hydraulic Trencher TDC48

This equipment is designed for excavation operations of construction machinery. Its chain-type structure consists of cutting wheels and chains for efficient trenching.

Specifications:

- Digging depth: 48 inches (approx. 1.22 m)
- Digging width: 8 inches (approx. 20 cm)





Subsoiler TRPS72

In the market of similar agricultural machinery attachments, it can perform ridging or soil loosening.

It is also available for harvesting sweet potatoes and potatoes.

Main Specifications:

Loosening depth: 7–9 inches

Effective width: 60 inches

Overall width: 72 inches

Applicable Models:

Skid steer loaders, excavators

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Skid Steer Hydraulic Snow Sweeper TSP72

Working Scenarios: Snow removal on urban roads, highway snow clearing, airport runway maintenance, cleaning of industrial parks and large parking lots.

Main Purpose: Designed to remove accumulated snow, ice, gravel and debris on roads, airport runways, plazas and other areas.

Snow Sweeping Parameters:

Drive Mode: Hydraulic drive

Hydraulic Flow: 6–15 gpm

Sweeping Width: 2.0–2.2 m

Bristle Diameter: 600 mm, polypropylene wrapped steel wire material, wear-resistant and pavement-friendly Swing Angle: Hydraulically controlled ±30°, convenient to throw snow to one side Working Efficiency: Approx. 5000–7000 ㎡ /h Self-weight: 700–800 kg

Applicable Models:

Skid steer loaders, excavators, tractors

Forge ahead & Innovate, Embrace Partners Worldwide

Craft Excellence with Precision, Deliver Quality Across the Globe

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Specialized Production:
Skid Steer Attachments, Excavator Attachments,
Planetary Reducers,Lawn Mower Gearboxes,
and various transmission components & spare parts