### Engine

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C15 ACERT™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Power – SAE J1349 (1st gear/2nd-4th gear)</td>
<td>290/302 kW 389/405 hp</td>
</tr>
</tbody>
</table>

### Operating Specifications

<table>
<thead>
<tr>
<th>Nominal Payload Capacity</th>
<th>17 200 kg 37,926 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Machine Operating Weight</td>
<td>67 409 kg 148,611 lb</td>
</tr>
</tbody>
</table>

### Bucket Capacities

| Bucket Capacities | 6.3-8.9 m³ 8.2-11.6 yd³ |
R2900G Features

One Supplier
Caterpillar designed and manufactured major power and drive train components for reliability and performance.

Reliable and Durable Engine
The Cat® C15 engine offers the perfect balance between power, robust design and economy.

Power Shift Transmission
Reliable and rugged design to deliver power and efficiency for peak power train performance.

Hydraulics
Perfect balance between low effort controls and powerful hydraulics for smooth and fast cycle time.

Durable Structures
The heavy duty frame is designed and built to absorb twisting, impact and high loading forces for maximum durability and reliability.

Comfortable Cab
Ergonomically designed for all-day comfort, control and productivity.

Aggressive Bucket Design
Engineered for optimal loadability and life in tough mining application. Various sizes and configurations available to match material and mine conditions.

Enhanced Serviceability
Designed with improved service points and grouped service locations to simplify maintenance and repair.

Built in Safety
Safety is not an after thought, but an integral part of all machine and system design.

Contents
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The R2900G underground loader is designed for high production, low cost-per-ton loading and tramming in underground mining applications. Compact design with agile performance, rugged construction and simplified maintenance ensures excellent productivity, long life and low operating costs.

Engineered for performance, designed for comfort, built to last.
The Cat® C15 engine with ACERT™ Technology delivers the power and reliability necessary to perform in the most demanding underground mining applications.

Cat C15 Engine with ACERT™ Technology
The Cat® C15 engine with ACERT™ Technology is U.S. EPA Tier 3 and EU Stage III compliant. It features efficient fuel management for quick response, high productivity and exceptional service life. A new, sculptured cylinder block provides greater strength and lighter weight.

High Torque Rise
Provides unequalled lugging force while digging, trammimg and traversing steep grades. Torque rise effectively matches transmission shift points for maximum efficiency and fast cycle times.

Radiator
Modular radiator with swing-out grill provides easy access for cleaning or repair. Built in sight gauge allows for quick, safe coolant level checks.

Pistons
Oil cooled pistons increase heat dissipation and promote longer piston life.

ADEM™ IV System
Controls the fuel injector solenoids to monitor fuel injection. This system provides automatic altitude compensation, air filter restriction indication and it will not allow the engine to fire until it has oil pressure, acting as cold start protection and a form of pre-lube.

 Turbocharged and Aftercooled
Air-to-air aftercooling provides improved fuel economy by packing cooler, denser air into cylinders for more complete combustion of fuel and lower emissions. The turbocharger enhances performance and efficiency.

Mechanically Actuated, Electronic Unit Injection (MEUI™)
Proven high-pressure, direct injection fuel system electronically monitors operator demands and sensor inputs to optimize engine performance.

Cylinder Liners
Full-length water-cooled cylinder liners provide maximum heat transfer.

Crankshaft
The crankshaft is forged and induction hardened for long-term durability.
Power Train – Transmission
More power to the ground for greater productivity.

Power Shift Transmission
The Cat four-speed planetary power shift transmission is matched with the Cat C15 diesel engine to deliver constant power over a wide range of operating speeds.

Robust Design
Designed for rugged underground mining conditions, the proven planetary power shift transmission is built for long life between overhauls.

Torque Converter
High capacity torque converter delivers more power to the wheels for superior power train efficiency.

Electronic Autoshift Transmission
The electronic auto shift transmission increases operator efficiencies and optimizes machine performance. The operator can choose between manual or auto shift modes.

Transmission Neutralizer
Using the left brake pedal, the operator can engage the service brakes and neutralize the transmission, maintaining high engine rpm for full hydraulic flow, enhancing digging and loading functions.

Final Drives
Cat final drives work as a system with the planetary power shift transmission to deliver maximum power to the ground. Built to withstand the forces of high torque and impact loads, double reduction final drives provide high torque multiplication to further reduce drive train stress.

Axles
Heavy duty axles are built rugged for long-life in the most demanding environments.

Oscillating Rear Axle
Oscillating rear axle ensures four-wheel ground contact for maximum traction and stability at all times.

Differential
No spin rear differential reduces tire wear and maximizes traction in uneven terrain.

Brakes
Fully enclosed oil immersed disc brakes incorporate independent service and parking brake pistons. Hydraulic actuated independent circuits provide improved performance and reliability.
Hydraulics
Cat hydraulics deliver the power and control to keep material moving.

**Hydraulic System**
Powerful Cat hydraulics deliver exceptional digging and lifting forces for fast cycle times.

**Lift and Tilt System**
High hydraulic flow rates provide fast hydraulic cylinder response and powerful lift forces. Large-bore lift and tilt cylinder delivers exceptional strength, performance and durability.

**Pilot Controls**
Low effort, pilot operated joystick implement control with simultaneous lift and tilt functions optimizes operating efficiency.

**Optional Ride Control**
The optional ride control system uses a nitrogen filled oil accumulator in the hydraulic lift circuit to act as a shock absorber for the bucket and lift arms. The lift arm and bucket response to movement is dampened over rough ground, reducing fore and aft pitch, improving cycle times and load retention. A smoother, more comfortable ride gives operators the confidence to travel at speeds above 5 km/h (3 mph) during load and carry operations.

**Cat Hydraulic Hose**
Field proven Cat high pressure XT™ hydraulic hoses are exceptionally strong and flexible for maximum system reliability and long life in the most demanding conditions. Reusable couplings with O-ring face seals provide superior, leak free performance and prolong hose assembly life.
Structures
Rugged Cat structures – the backbone of the R2900G’s durability.

Frame Design
The frame is engineered to withstand extreme forces generated during loading and tramming cycles. Precision manufacturing process ensures all structures are consistently built to high quality. Deep penetration and consistent welds throughout the frame ensures structures are solidly fused to provide sturdy platform for the linkage and the axles. The design and manufacturing quality of Cat LHD frames have been proven by our customers, many of whom reuse frames during machine rebuilds to get 2nd and 3rd lives out of their LHD’s.

Z-Bar Loader Linkage
Proven Z-Bar loader linkage geometry generates powerful breakout force and an increased rack back angle for better bucket loading and material retention. Heavy duty steel lift arms with cast steel cross tube ensures extreme loads encountered during loading and tramming are efficiently dissipated for long service life.

Sealed Pins
Sealed colletted pins are fitted to all bucket and lift arm hinge points for longer pin and bushing life. This reduces maintenance costs and extends service intervals. The sealed joints retain lubrication and prevent contaminant entry.

Hitch
Spread hitch design widens the distance between upper and lower hitch plates to distribute forces and increase bearing life. Thicker hitch plates reduce deflection. The wide opening provides easy service access. Upper and lower hitch pins pivot on roller bearings to distribute horizontal and vertical loads over a greater surface area. Shim adjusted preload reduces maintenance time. An on-board steering frame lock pin is fitted to prevent articulation during maintenance and service.
The operator station is ergonomically designed for total machine control in a comfortable, productive and safe environment. All controls, levers, switches and gauges are positioned to maximize productivity and minimize operator fatigue.

**Protective Structure**
Integral to the cab and frame, the Rollover Protective Structure (ROPS) and the Falling Objects Protective Structure (FOPS), are resiliently mounted to the frame to isolate the operator from vibration for a more comfortable ride.

**Optional Enclosed Cab**
Optional sound-suppressed ROPS cab provides a quiet, secure working environment. Large window openings offer excellent visibility in all directions. Enclosed design provides fresh, pressurized, temperature-controlled air circulation with air condition for a more comfortable working environment.

**STIC™ Steering and Transmission Integrated Control**
STIC™ provides effortless control of the machine by a single controller. Simple side-to-side motion articulates the machine. Directional shifting (forward/neutral/reverse) is controlled using a three position rocker switch. The thumb operated buttons control gear selection.

**Dual-Pedal Braking**
Dual brake pedals function as a brake and a transmission neutralizer so the operator can maintain high engine rpm for full hydraulic flow and fast cycle times.

**Monitoring System**
Cat® Electronic Monitoring System (Cat EMS) continuously provides critical machine data to keep the machine performing at top production levels.

- **Message Center.** Three-category warning system alerts operator of abnormal machine health conditions.
- **Gauge Cluster.** Maintains a constant display of vital machine functions.
- **Speedometer/Tachometer Module.** Monitors three systems: engine speed, ground speed and gear indicator.

**Pilot Controls**
Low-effort pilot operated joystick controls integrate steering, transmission and implement functions for smoother, faster cycles with less operator fatigue.

**Suspension Seat**
Ergonomic, fully adjustable suspension seat provides optimal operator comfort. Thick cushions reduce pressure on the operator’s lower back and thighs. Wide, retractable seat belts provide a secure, comfortable restraint.
Loader Bucket Systems
Rugged performance and reliability in tough underground mining applications.

**Buckets**
Aggressive Cat bucket designs deliver unmatched productivity in the most demanding applications. Underground mining buckets are designed for optimal loadability and structural reliability to help lower your cost-per-ton.

**Bucket Selection**
Cat underground loader buckets are available in standard and penetration configurations to meet a range of loading, hauling and dumping conditions.

**Bucket Capacities**
Buckets are available in a range of sizes and capacities to suit most material types and densities.

**Optional Wear Packages**
Weld-on wear plates in high wear areas are standard. Additional wear packages, including sacrificial wear strips and Cat heel shrouds protect the edges from damage and reduce the need for costly bucket rebuilds.

**Optional Cutting Edges**
Cat half arrow, cast half arrow and weld on GET cutting edges extend bucket life in high wear applications.
Serviceability
More time for production.

Service Access
Easy access to daily service points simplifies servicing and reduces time spent on regular maintenance procedures.

Ground-Level Access
Allows convenient servicing to all tanks, filters, lubrication points and compartment drains.

Air Filters
Radial seal air filters are easy to change, reducing time required for air filter maintenance.

Sight Gauges
Fluid level checks are made easier with sight gauges.

Diagnostics
Cat Electronic Technician (Cat ET) service tool enables quick electronic diagnosis of machine performance and key diagnostic data for effective maintenance and repairs.

Sealed Electrical Connectors
Electrical connectors are sealed to lock out dust and moisture. Harnesses are covered for protection. Wires are color and number coded for easy diagnosis and repair.

Scheduled Oil Sampling
S·O·S℠ helps avoid minor repairs becoming major ones.
Customer Support
Cat® dealer services keep underground mining equipment productive.

Cat dealers offer solutions, services and products that help lower costs, enhance productivity and manage your operation efficiently. From the selection of Cat equipment until the day you rebuild, trade or sell it, the support you get from your Cat dealer makes the difference that counts.

Dealer Capability
Cat dealers will provide the level of support you need, on a global scale. Dealer expert technicians have the knowledge, experience, training and tooling to handle your repair and maintenance needs, when and where you need them.

Product Support
When Cat products reach the field, they are supported 24/7 by a worldwide network of reliable and prompt parts distribution facilities, dealer service centers, and technical training facilities to keep your equipment up and running.

Service Support
Cat equipment is designed and built to provide maximum productivity and operating economy throughout its working life. Cat dealers offer a wide range of service plans that will maximize return on your investment, including:

- Preventive Maintenance Programs
- Diagnostic Programs, such as Scheduled Oil Sampling and Technical Analysis
- Rebuild and Reman Options
- Customer Support Agreements

Technology Products
Cat dealers offer a range of advanced technology products designed to improve efficiency, productivity and lower costs.

Operator Training
Today’s complex products require operators have a thorough understanding of machine systems and operating techniques to maximize efficiency and profitability. Your Cat dealer can arrange training to improve productivity, decrease downtime, reduce operating costs, enhance safety, and improve your return on investment.

Application Awareness
Application and site-specific factors, such as: material density, loading position, grades, speeds, and haul road design influence operating and maintenance costs. Your Cat dealer can provide you with the understanding to optimize productivity and the total cost of ownership.

www.cat.com
For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.
Safety
Cat mining machines and systems are designed with safety as their first priority.

Product Safety
Caterpillar has been and continues to be proactive in developing mining machines that meet or exceed safety standards. Safety is an integral part of all machine and systems designs.

Engine Shut Off Switch
A secondary engine shutoff switch is located at ground level.

Integral ROPS Cab
Integral to the cab and frame, the ROPS is resiliently mounted to the frame to isolate the operator from vibration for a more comfortable ride.

Brake Systems
Four corner oil-cooled braking system provides excellent control. The service brake system is actuated by modulated hydraulic pressure, while the parking break function is spring applied and hydraulic released. This system assures braking in the event of loss of hydraulic failure.

Standard Safety Features
Anti-skid upper deck surfaces, lower cab light, ground level compartment sight glasses, increased visibility, 3-point access to cab and machine, push out safety glass, suspension seat, inertia reel retractable seat belt, bucket control group safety pins, hot and cold side of engine, articulation lock, hinged belly guards.

SAFETY.CAT.COM™
For more complete information on safety, please visit http://safety.cat.com.
R2900G Underground Mining Loader Specifications

### Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat® C15 ACERT™</td>
</tr>
<tr>
<td>Rated Power</td>
<td>1,900/1,800 rpm</td>
</tr>
<tr>
<td>Net Power – SAE J1349</td>
<td>290/ 389/ 302 kW</td>
</tr>
<tr>
<td>Net Power – ISO 9249</td>
<td>288/ 386/ 300 kW</td>
</tr>
<tr>
<td>Net Power – 80/1269/EEC</td>
<td>288/ 386/ 300 kW</td>
</tr>
<tr>
<td>Bore</td>
<td>137.2 mm</td>
</tr>
<tr>
<td>Stroke</td>
<td>171.5 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>15.2 L</td>
</tr>
</tbody>
</table>

- Power ratings apply at a rated speed of 1,900/1,800 rpm when tested under the reference conditions for the specified standard.
- Ratings based on SAE J1995 standard air conditions of 25° C (77° F) and 100 kPa (29.61 Hg) barometer. Power based on fuel having API gravity of 35 at 16° C (60° F) and an LHV of 42.780 kJ/kg (18,390 BTU/lb) when engine used at 30° C (86° F).
- No engine derating required up to 591 m (1,938 ft) altitude.
- Compliant with U.S. Environmental Protection Agency Tier 3 emissions standards.

### Transmission

<table>
<thead>
<tr>
<th>Gear Type</th>
<th>Forward</th>
<th>Reverse 1</th>
<th>Reverse 2</th>
<th>Reverse 3</th>
<th>Reverse 4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5 km/h</td>
<td>6.2 km/h</td>
<td>10.9 km/h</td>
<td>18.6 km/h</td>
<td>26.4 km/h</td>
</tr>
<tr>
<td></td>
<td>3.1 mph</td>
<td>3.9 mph</td>
<td>6.8 mph</td>
<td>11.6 mph</td>
<td>16.4 mph</td>
</tr>
</tbody>
</table>

### Tires

| Tire Size | 29.5 × 29.34 PLY STMS |

### Operating Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Payload Capacity</td>
<td>17 200 kg</td>
</tr>
<tr>
<td>Gross Machine Operating Weight</td>
<td>67 409 kg</td>
</tr>
<tr>
<td>Static Tipping Load</td>
<td>39 923 kg</td>
</tr>
<tr>
<td>Static Tipping Load</td>
<td>34 069 kg</td>
</tr>
<tr>
<td>Breakout Force (SAE)</td>
<td>27 346 kg</td>
</tr>
</tbody>
</table>

### Bucket Capacities

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Volume</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dump Bucket – 1*</td>
<td>6.3 m³</td>
<td>8.2 yd³</td>
</tr>
<tr>
<td>Dump Bucket – 2*</td>
<td>7.2 m³</td>
<td>9.4 yd³</td>
</tr>
<tr>
<td>Dump Bucket – 3*</td>
<td>8.3 m³</td>
<td>10.9 yd³</td>
</tr>
<tr>
<td>Dump Bucket – 4*</td>
<td>8.9 m³</td>
<td>11.6 yd³</td>
</tr>
</tbody>
</table>

* High penetration bucket versions also available.

### Turning Dimensions

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside Clearance Radius**</td>
<td>7323 mm</td>
</tr>
<tr>
<td>Inner Clearance Radius**</td>
<td>3383 mm</td>
</tr>
<tr>
<td>Axle Oscillation</td>
<td>8°</td>
</tr>
</tbody>
</table>

** Clearance dimensions are for reference only.

### Standards

- Brakes: ISO 3450, AS2958.1, CAN-CSA424.30-M90
- Cab/FOPS: ISO 3449, SAE J231, AS2294.3, EN13627
- Cab/ROPS: ISO 3471, SAE J1040, AS2294.2, EN13510

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![Loader Image]
### Dimensions

All dimensions are approximate.

<table>
<thead>
<tr>
<th>Bucket Capacity</th>
<th>303 8806</th>
<th>249 4899</th>
<th>249 4892</th>
<th>249 4893</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.3 m³</td>
<td>8.2 yd³</td>
<td>7.2 m³</td>
<td>9.4 yd³</td>
<td>8.3 m³</td>
</tr>
<tr>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>Bucket Width over Cutting Edge</td>
<td>3054</td>
<td>120.2</td>
<td>3054</td>
<td>120.2</td>
</tr>
<tr>
<td>1 Height – Bucket Raised</td>
<td>6014</td>
<td>236.8</td>
<td>6179</td>
<td>243.3</td>
</tr>
<tr>
<td>2 Height – Max Dump</td>
<td>5427</td>
<td>213.7</td>
<td>5427</td>
<td>213.7</td>
</tr>
<tr>
<td>3 Height – Max Lift Bucket Pin</td>
<td>4539</td>
<td>178.7</td>
<td>4539</td>
<td>178.7</td>
</tr>
<tr>
<td>4 Height – Dump Clearance at Max Lift</td>
<td>2868</td>
<td>112.9</td>
<td>2868</td>
<td>112.9</td>
</tr>
<tr>
<td>5 Height – Digging Depth</td>
<td>52</td>
<td>2.0</td>
<td>52</td>
<td>2.0</td>
</tr>
<tr>
<td>6 Height – Ground Clearance</td>
<td>465</td>
<td>18.3</td>
<td>465</td>
<td>18.3</td>
</tr>
<tr>
<td>7 Height – Top of Hood</td>
<td>2371</td>
<td>93.3</td>
<td>2371</td>
<td>93.3</td>
</tr>
<tr>
<td>8 Height – Top of ROPS</td>
<td>2886</td>
<td>113.6</td>
<td>2886</td>
<td>113.6</td>
</tr>
<tr>
<td>9 Length – Overall (Digging)</td>
<td>11 302</td>
<td>445.0</td>
<td>11 302</td>
<td>445.0</td>
</tr>
<tr>
<td>10 Length – Overall (Tramming)</td>
<td>10 949</td>
<td>431.1</td>
<td>10 949</td>
<td>431.1</td>
</tr>
<tr>
<td>11 Length – Wheelbase</td>
<td>3780</td>
<td>148.8</td>
<td>3780</td>
<td>148.8</td>
</tr>
<tr>
<td>12 Length – Front Axle to Hitch</td>
<td>1890</td>
<td>74.4</td>
<td>1890</td>
<td>74.4</td>
</tr>
<tr>
<td>13 Length – Rear Axle to Bumper</td>
<td>3572</td>
<td>140.6</td>
<td>3572</td>
<td>140.6</td>
</tr>
<tr>
<td>14 Length – Reach</td>
<td>1656</td>
<td>65.2</td>
<td>1656</td>
<td>65.2</td>
</tr>
<tr>
<td>15 Width – Overall Tire</td>
<td>2898</td>
<td>114.1</td>
<td>2898</td>
<td>114.1</td>
</tr>
<tr>
<td>16 Width – Machine with Bucket</td>
<td>3176</td>
<td>125.0</td>
<td>3176</td>
<td>125.0</td>
</tr>
<tr>
<td>17 Width – Machine without Bucket</td>
<td>3010</td>
<td>118.5</td>
<td>3010</td>
<td>118.5</td>
</tr>
<tr>
<td>18 Recommended Clearance Width**</td>
<td>4500</td>
<td>177.2</td>
<td>4500</td>
<td>177.2</td>
</tr>
<tr>
<td>19 Recommended Clearance Height**</td>
<td>4500</td>
<td>177.2</td>
<td>4500</td>
<td>177.2</td>
</tr>
</tbody>
</table>

* Dimensions shown with standard material bucket sizes. High penetration bucket versions also available.

** Clearance dimensions are for reference only.
To determine gradeability performance: Read from gross weight down to the percent of total resistance. Total resistance equals actual percent grade plus rolling resistance. As a general guide use 2% for rolling resistance in underground applications or refer to the Caterpillar Performance Handbook. From the total resistance point, read horizontally to the curve with the highest obtainable gear, then down to maximum speed. Usable rimpull will depend upon traction available and weight on drive wheels.
Standard equipment may vary. Consult your Cat dealer for details.

**ELECTRICAL**
- Alternator, 95-amp
- Battery Disconnect Switch, Ground Level
- Corrosive Protection Spray
- Diagnostic Connector
- Electric Starting, 24-volt
- Engine Shutdown Switch
- External Lighting System, Front, Rear
- Low Maintenance Batteries
- Reversing Alarm
- Starting and Charging System

**OPERATOR ENVIRONMENT**
- Cat Electronic Monitoring System (Cat EMS)
- Electric Horns
- Gauges
  - Engine Coolant Temperature
  - Fuel Level
  - Hydraulic Oil
  - Speedometer
  - Tachometer
- Pilot Hydraulic Implement Controls, Single Joystick
- ROPS/FOPS Structure
- STIC Steering
- Suspension Seat with Retractable Seat Belt

**POWER TRAIN**
- Cat C15 ATAAC Diesel Engine with ACERT™ Technology, 6-Cylinder
- Long Life Coolant
- Full Hydraulic Enclosed Wet Multiple-Disc Brakes (SAFR™)
- Planetary Powershift Transmission with Automatic Shift Control, 4 Speed Forward/4 Speed Reverse
- Engine Air Intake Precleaner
- Torque Converter
- Transmission Neutralizer
- Fuel Priming Aid
- Crossflow Radiator

**OTHER STANDARD EQUIPMENT**
- Auto Park Brake
- Brake Axle Cooling
- Bucket Positioner, Return To Dig
- Catalytic Exhaust Purifier/Muffler Group
- Engine and Transmission Belly Guards
- Fenders, Front, Rear
- Firewall
- Hardox 450 Bucket Lip
- Operator Present System
- Rear Frame Protection Wear Bars 100 × 50 mm (4 × 2 in)
- Semi Centralized Lubrication Points
- Swing Out Radiator Grill
- Tires, STMS (L5) 29.5 × 29 34-Ply

Optional equipment may vary. Consult your Cat dealer for details.

**R2900G Optional Equipment**

**Alternative Tire Arrangements**
- Fast Fill System
- Coolant
- Engine
- Fuel
- Hydraulic
- Transmission
- Fire Extinguishers
- Fold Down Top Deck Handrails
- Front Light Protectors
- Heater, Air Conditioning
- Oil Sample Adapters
- Payload Control System (PCS)
- Reflective Tape
- Remote Control Systems
- Proportional
- Retrieval Attachment
- Reversible Steering
- Ride Control System
- Seat Covers
- Secondary Steering System
- Service Tools
- Tee Seat