

ZEPELIN BAUMASCHINEN

PRODUCT RANGE

CUSTOMIZING

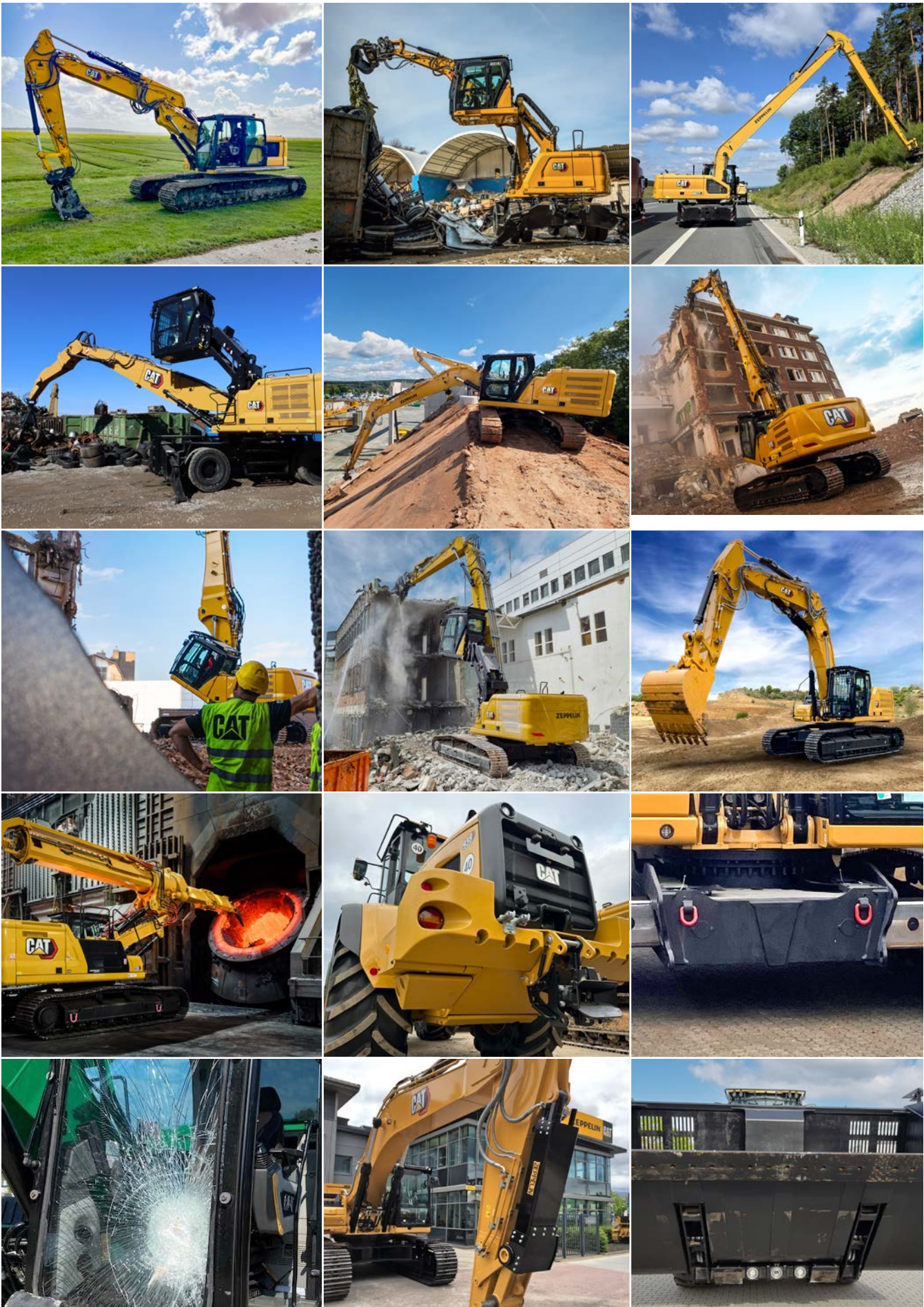


PRODUCT RANGE

CUSTOMIZING

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WHERE STANDARD ENDS, WE BEGIN!

“Beyond standard” is more than a slogan for us – it’s what drives us and the standard we set for ourselves..

You deal with new and complex challenges every day. As your reliable partner, we see it as our responsibility to develop custom solutions tailored precisely to your needs - from material handlers all the way to high performance machines for heavy demolition.

Whether in earthmoving, recycling, or forestry: once a standard machine reaches its limits, you need equipment that fits your project exactly. That’s where our Customizing department comes in. Our project engineers and product managers support you from the first idea to the finished solution - working closely with Caterpillar, technically sound, fully compliant with standards, and always focused on what matters most on the job site: safe processes and dependable results.

Over the years, many of these special solutions have grown into a broad range of field tested small series and conversions. Much of what you’ll find on the following pages is already CE certified and often available at short notice - so you don’t lose valuable time when the next job is waiting. Browse, get inspired, and tell us what you need to succeed.

We hope you enjoy exploring the following pages and look forward to shaping your future projects together.

The Zeppelin service: As unique as your machine.

- Customized service contracts: from inspection to full service
- Flexible repair coverage options
- VisionLink fleet management
- 4-hour spare parts availability; repair within 48 hours or upon request
- 24-hour emergency service
- Comprehensive branch network
- Qualified application consulting



313 | 317

BOG EXCAVATOR

Low ground pressure and wetland operations | Trenching |
Environmental Protection Measures | Infrastructure Projects

Features

- Ideal for work in bogs, wetlands, and swampy terrain
- Engineered to prevent sinking into soft ground
- Long undercarriage for effortless ditch and trench crossing
- Safe and reliable operation even in demanding terrain
- Low-impact driving behavior to protect sensitive bog landscapes
- Robust, resilient design for maximum reliability

Benefits

- Minimal sinking: wide tracks ensure optimum load distribution
- High stability: specially adapted undercarriage and track components
- Low ground pressure: even pressure distribution reduces ground damage
- Efficient operation: precise and powerful work driven by modern hydraulics and engine technology



313

Engine: Cat C3.6 | Net power (ISO 14396): 82 kW (110 hp) | Model: PKN198754

Equipment variant Model	Max. reach	Track length	Max. track shoe width	Transport width	Ground pressure acc. to ISO 16754	Operating weight
LGP PRN203619	9,9 m	4,8 m	1,0 m	2,99 m	188 kPa	16.200 kg
SLGP PRN203620	9,9 m	5,2 m	1,1 m	3.19 m	160 kPa	16.650 kg

317

Engine: Cat C3.6 | Net power (ISO 14396): 100 kW (134 hp) | Model: PKN197913

Equipment variant Model	Max. reach	Track length	Max. track shoe width	Transport width	Ground pressure acc. to ISO 16754	Operating weight
LGP PRN203621	10,5 m	5,2 m	0,9 m	2,99 m	236 kPa	19.800 kg
SLGP PRN203622	10,5 m	5,6 m	1 m	3,19 m	200 kPa	20.300 kg
SLGP+ PRN203623	10,5 m	5,6 m	1,1 m	3,2 m	182 kPa	20.450 kg

M314 MH

MATERIAL HANDLER

Material Handling | Recycling | Sorting Operations

Area of application and special features

- Ideal for recycling applications and work in confined spaces
- Elevating cab for exceptional all-round visibility
- Sensitive and fast hydraulics - ideal for sorting work

Undercarriage and stability

- Robust undercarriage with four-point stabilizers as standard
- Combination of two stabilizers and stabilizer blade optionally available
- Outstanding load capacities and stability in the 18 – 19 t class

Boom and reach

- Variable-adjustable boom with options: straight stick plus linkage for sorting grapples, or bent industrial stick for orange-peel grapples
- Reach: 8 meters
- Optional: mono boom, also with straight or bent stick

Safety features

- Innovative side access steps for safe entry and exit
- Front/rear steps, derived from larger MH models
- Optional reversing fan for dusty applications

Additional options

- Road-legal configuration (German StVZO) available upon request
- Trailer operation optional after consultation

Your benefits

- Elevating cab with more than 5,10 m viewing height
- Full-value auxiliary hydraulics for versatile attachments
- Fast working hydraulics
- Compact dimensions - perfect for narrow halls and handling yards



M314 MH Equipment variants

Engine: Cat C3.6 | net power (ISO 14396): 100 kW (134 hp)

Equipment variants		Max. reach ¹	Max. height ¹	Operating weight ²	Load capacity ³
MAST250	4,65 m boom 2,5 m straight stick	7,66 m	7,94 m	18.550 kg	2.950 kg
VAHST250	5,03 m variable-adjustable boom 2,5 m straight stick	7,72 m	8,69 m	19.000 kg	2.850 kg
VAHIND79	5,03 m variable-adjustable boom 2,9 m bent stick	7,92 m	8,53 m	18.760 kg	3.200 kg
VAHPST25	5,7 m variable-adjustable boom 25 m straight stick	8,42 m	9,25 m	19.000 kg	2.650 kg
VAHIND86	5,7 m variable-adjustable boom 2,9 m bent stick	8,61 m	9,14 m	18.760 kg	2.750 kg

¹ measured at the stick pin

² with four-point undercarriage, solid rubber tires, grapple, full diesel tank and operator

³ at maximum reach and with four-point stabilizers (360 degrees), according to ISO 10567

M322 SLR

WHEELED EXCAVATOR WITH SUPER-LONG REACH

Slope Profiling | Dike Maintenance |
Hydraulic Engineering & Coastal Protection

Chassis and superstructures

- Robust undercarriage with four-point stabilizers
- Automatic brake/axle lock
- Creeper gear and all-wheel drive
- 5.700 kg counterweight
- Joystick steering

Protection and safety

- Rear camera and right-side camera
- Anti-slip tread plates and recessed screws on the maintenance platform
- Cat machine tracking technology powered by VisionLink

Area of application and special features

- Long reach enables work on slopes, dikes and hard-to-access embankments
- Precise operation even at maximum reach, driven by responsive hydraulics
- Reduced repositioning effort on site due to large working radius
- Rubber-tired undercarriage enables sustainable use on asphalt surfaces



M322 SLR

Engine: Cat C7.1 | net power (ISO 9249): 150 kW (204 hp)

Equipment	Max. reach ¹	Max. reach height ¹	Max. digging depth ¹	Operating weight ²	Load capacity ³
10,9 m boom 7,4 m stick	18,76 m	16,69 m	12,1 m	26.100 kg	1.100 kg

¹ with 0,55 m³ DTC bucket

² approximate operating weight with 5.700 kg counterweight, without attachment

³ at maximum reach at the stick pin, ground level and in travel direction, according to ISO 10567

MH3032 ZQC

MATERIAL HANDLER WITH ZEPPELIN QUICK CONNECT COUPLING SYSTEM

Material Handling | Recycling | Sorting Operations

Zeppelin Quick Connect coupling system

- Maximum flexibility in handling operations
- Fast changeover of different attachments
- Reduced conversion times in daily operation
- Ideal for changing materials and work tasks
- Use with grapple or scrap shear possible

Undercarriage and stability

- Stable HD axle undercarriage for heavy handling work
- Stabilizer pads for high stability during operation
- Width with lowered stabilizer pads approx. 4.900 mm
- 7.700 kg counterweight for safe lifting and cutting work
- Designed for work on firm, level ground

Safety features

- TOPS cab with P8B laminated safety glass
- Hydraulic cab elevation for better visibility
- Hose-burst safety valves on boom and stick cylinders
- Electronic swing and travel lock
- Automatic brake and axle lock for safe operation

Regulatory benefit

- Powerful alternative to thermal flame cutting
- Supports the transition to mechanical cutting
- Offers customers long-term investment and legal certainty



MH3032 ZQC

Engine: Cat C7.1 | net power (ISO 9249): 151 kW (204 hp)

Equipment	Max. reach ¹	Max. height ¹	Max. operating weight	Load capacity ⁴	Reach with scrap shear vertical ⁵	Lifting capacity with scrap shear vertical ⁵
8,5 m boom 1,4 m stick stub	13,15 m	14,60 m	36.800 kg ²	3.100 kg	8,3 m	2.600 kg
5,4 m stick length including stick extension	13,15 m	14,60 m	38.100 kg ³	3.100 kg	8,3 m	2.600 kg

¹ measured at the stick pin.

² machine weight includes full fuel tank, 75 kg operator, stick extension, orange-peel grapple and solid rubber tires

³ machine weight includes full fuel tank, 75 kg operator, scrap shear incl. head plate and solid rubber tires

⁴ counterweight: 7.700 kg, at max. reach and 4-point stabilizers (360 degrees), according to ISO 10567

⁵ work tool: Cat S3050 scrap shear with ZQC (1,630 mm)



326 LRE

HYDRAULIC EXCAVATOR WITH LONG REACH

Slope Work | Dike Work | Hydraulic Engineering

Undercarriage and transport

- Standard 2,99 m wide LN undercarriage
- Optional 3,2 m L undercarriage
- Transport-friendly: under 3 m width (LN)
- Transport weight below 30 t

SmartBoom technology

- Reduces stress and vibrations in the machine frame
- Makes pulling back and fine grading easier
- Boom follows the ground contour without active hydraulic pump use
- Operator can focus on stick and bucket - faster, more precise, and more efficient

Design for long service life

- Hard-chrome-plated pins for maximum wear resistance
- Additional internal reinforcements in boom and stick
- High-strength steel components: track shoes, track links, rollers, idlers, final drives

Features

- Integrated Cat Grade 2D-Basic machine control
- ROPS premium cab with sound insulation, rear-view camera, and right-side camera
- High-resolution LCD touchscreen monitor

Your benefits

- Reach up to 14,1 m
- Digging depth up to 10,2 m
- Transport width below 3 m
- Transport weight below 30 t



326 LRE

Engine: Cat C7.1 | net power (ISO 14396): 151 kW (205 hp) | model: PKN203610 | PRN203611

Equipment	Max. reach ¹	Max. reach height ¹	Max. digging depth ¹	Operating weight ²	Load capacity ³
8,0 m boom 5,3 m stick	14,1 m	12,4 m	10,25 m	31.480 kg	3.050 kg

¹ with 0,9 m³ DTC bucket

² with LN undercarriage, 0,9 m³ DTC bucket, 600 mm triple-grouser track shoes and 7.400 kg counterweight

³ at maximum reach, ground level and in travel direction, according to ISO 10567

330 UHD+ HYDRAULIC EXCAVATOR WITH ULTRA-LONG DEMOLITION EQUIPMENT

Demolition | Earthmoving

Demolition-specific equipment

- High-reach demolition boom specially developed for demolition
- Reach height: 18,4 m
- Stick-pin lifting capacity: 3.000 kg
- Compatible with many attachments
- High flexibility when demolishing buildings

Cab and operator comfort

- Cab can be tilted by 30 degrees for optimum view of the work tool
- Neck-friendly, low-fatigue working
- Quiet and comfortable working environment
- Continuous laminated safety glass windscreen
- Standard demolition guard

Earthmoving equipment and versatility

- Can be equipped with additional earthmoving equipment
- Fast changeover between demolition and earthmoving equipment
- Two setting positions: bent or straight boom
- Also ideal for basement demolition, excavation, and loading

Mobility and transport

- Hydraulically variable gauge undercarriage: width adjustable from 2,99 m to 3,99 m
- Easy transport thanks to transport width below 3 m
- Excellent stability to the front and sides
- Optional removable counterweight
- Transport weight below 30 t

Your benefits

- 18,40 m reach height at the stick pin
- Transport-friendly: weight below 30 t and width below 3 m
- Flexible applications thanks to UHD and earthmoving equipment



330 UHD+

Engine: Cat C7.1 | net power (ISO 14396): 204 kW (273 hp)

Equipment variants	Max. reach	Max. height	Operating weight ²	Load capacity ⁵
UHD+ 8,8 m base boom 2,1 m intermediate arm 5,8 m straight stick	–	18,40 m ¹	43.400 kg ³	3.000 kg
EBW 1 6,8 m straight boom 3,2 m straight stick	12,61 m ¹	11,49 m ¹	41.300 kg ⁴	3.800 kg
EBW 2 6,3 m bent boom 3,2 m straight stick	10,69 m ¹	10,01 m ¹	41.300 kg ⁴	3.800 kg
VAH 1 5,4 m boom 3,2 m straight stick	10,63 m ²	10,87 m ²	42.000 kg ³	3.300 kg

¹ measured at the 1,76 m³ HD bucket.
² measured at the stick pin
³ with HVG undercarriage, 600 mm triple-grouser track shoes, without work tool, full diesel tank and operator
⁴ with HVG undercarriage, 600 mm triple-grouser track shoes, 1,76 m³ HD bucket, full diesel tank and operator
⁵ at maximum reach, ground level and in travel direction, according to ISO 10567

330 | 336 MHD

HYDRAULIC EXCAVATOR WITH MEDIUM-HIGH-DEMOLITION EQUIPMENT

Demolition

Trouble-free transport

- Transport-optimized machine design
- Easy changeover between construction sites
- Transport is possible as a complete machine

Hydraulically variable gauge undercarriage (HVG)

- Widening of the footprint from 2,99 m to 3,99 m
- Significantly increased stability in all application areas
- More stability and control in demanding environments

Removable counterweight (optional)

- Maximum flexibility for different application requirements
- Fast machine adaptation
- No loss of stability
- Weight reduction for optimized transport: 330 MHD - 5 t

Cab-Riser variant

- Standard: tilting cab for optimum visibility at every height
- Optional: lift/tilt function, tiltable by 30 degrees
- 2.600 mm stepless height adjustment

Protection and stability

- Standard Cat demolition guard installed
- Standard bucket cylinder guard against falling material
- Optional track scraper to protect the undercarriage

Benefits

- Maximum stability during demolition work thanks to HVG undercarriage
- Optimum visibility through standard tilting cab
- 14 m or 18 m reach height



330 MHD

330 MHD engine: Cat C7.1 | net power (ISO 14396): 151 kW (202 hp)

Model / equipment	Max. reach ¹	Max. working height ¹	Operating weight ²	Load capacity ³
8,1 m boom 6 m stick	13,3 m	14,2 m	40.000 kg	3.500 kg

¹ measured at the stick pin

² with HVG undercarriage, tilting cab, 600 mm triple-grouser track shoes and 10.300 kg counterweight

³ at maximum reach, ground level and in travel direction, according to ISO 10567

336 MHD

336 MHD engine: Cat C7.1 | net power (ISO 14396): 224 kW (304 hp)

Model / equipment	Max. reach ¹	Max. working height ¹	Operating weight ²	Load capacity ³
11 m boom 7,5 m stick	17,2 m	18,0 m	48.000 kg	3.500 kg

¹ measured at the stick pin

² with HVG undercarriage, tilting cab, 600 mm triple-grouser track shoes and 10.300 kg counterweight

³ at maximum reach, ground level and in travel direction, according to ISO 10567

336 VAH+

HYDRAULIC EXCAVATOR

WITH VARIABLE-ADJUSTABLE BOOM

Demolition | Earthmoving

Additional equipment and comfort

- High-resolution touchscreen monitor with machine control
- Adjustable joysticks, Smart Mode, and keyless start
- Cat Product Link for fleet management and service monitoring
- Rear-view camera, side camera, and safety systems as standard

Options for tough demolition applications

- Two-part laminated safety glass pane
- Falling-object protective roof including front protection
- ROPS deluxe cab with sound insulation

Your benefits

- Hydraulic variable-adjustable boom: high flexibility and performance
- Special kinematics: the bucket can be drawn in close to the undercarriage, meaning less repositioning on confined construction sites
- Two adjustment cylinders positioned below the boom
- 13,7 m reach height at the bucket tip: especially suitable for demolition work



336 VAH+

Engine: Cat C7.1 | net power (ISO 14396): 224 kW (304 hp) | model: PKN199811 | PRN197584

Equipment variant		Max. reach ¹	Max. working height ¹	Operating weight ²	Load capacity ³
VAHSTP32	8,32 m variable-adjustable boom 3,2 m stick	13,7 m	13,7 m	42.000 kg	5.300 kg

¹ with 2,27 m³ GD bucket
² with LN undercarriage, 600 mm triple-grouser track shoes, 2,27 m³ GD bucket, full diesel tank and operator
³ at maximum reach, ground level and in travel direction, according to ISO 10567



MACHINES FOR USE IN STEEL PLANTS

Steel Plants | High-Temperature Areas | Heavy Industrial Work



Excavators with telescopic booms enable safe, precise, and efficient cleaning of hot ladles and converters - even at extreme temperatures and in confined spaces.

Available for Cat crawler excavators 323, 326, 330, and 336.

Benefits of excavators with telescopic booms in steel plants

Safe use at extreme temperatures

- Suitable for ladles and converters in high-temperature areas
- Minimizes the use of personnel in the danger zone

Optimum solution for confined spaces

- Ideal for converter areas where the work location is spatially restricted
- Large reach with compact machine positioning

Direct access to ladles and converters

- Telescopic boom enables the tool to enter ladles and converters
- Effective removal of slag and other contaminants

High flexibility through telescopic and rotating boom

- Continuously adjustable reach without repositioning the machine
- Continuously rotating inner section enables adaptation to different ladle sizes and converter geometries

High cost-effectiveness

- Reduced maintenance effort on ladles and converters
- High machine availability thanks to robust design and configuration

TRAILER HITCHES FOR WHEEL LOADERS

General information

Trailer pre-equipment is available for Cat wheel loader models 906 to 966. The permissible support and towing loads depend on the wheel loader model, machine equipment, and intended application. Trailer operation is also possible on public roads for many of these wheel loaders, because they can be approved as self-propelled work machines (SFA) in Germany. For the optimum solution, customers also receive individual advice from their Zeppelin salesperson.



Cat wheel loaders 906-908

- Trailer pre-equipment available, including bracket for hydraulic connections and trailer socket
- Optional power supply and hydraulic supply for trailers available
- Maximum possible towing load: overrun-braked, 3,5 tonnes



Cat wheel loaders 910-920

- Trailer pre-equipment available
- Optional power supply and hydraulic supply for trailers available
- Maximum possible towing load: overrun-braked, 8 tonnes



Cat wheel loaders 926-938

- A special highlight from Zeppelin customizing - fold-up, retrofittable trailer hitch
- Rear departure angle remains almost unchanged
- Innovative folding function
- Gas pressure dampers reduce the force required when folding up and down
- Trailer hitch can be mounted at two heights
- Optional power and hydraulic supply for trailers
- Optional compressed-air brake system available
- Maximum possible towing load: overrun-braked 8 tonnes; with compressed-air brake system 15 tonnes



Cat wheel loaders 950-966

- Individual solutions for trailer operation are also available for large wheel loaders
- Optional power supply and hydraulic supply for trailers available
- Optional compressed-air brake system available
- Maximum possible towing load: overrun-braked 8 tonnes; after consultation with Zeppelin, also with compressed-air brake system

CAB VARIANTS FOR EXCAVATORS

TOPS Tip-Over Protective Structures - protection when the machine tips over
ROPS Roll-Over Protective Structures - protection when the machine rolls over
HCR Roll-Over Protective Structures - protection when the machine rolls over

All cab variants are TOPS-certified and may only be operated on level, load-bearing ground to prevent the machine from tipping over.



Fixed cab elevation

Applications

- Used primarily in quarries at loading points
- Suitable for stationary handling activities

Design features

- Fixed, non-adjustable cab elevation
- Special access steps and additional standing platforms on the upper carriage required
- Designed for permanently elevated working positions

Safety and certification aspects

- For cab elevations below 500 mm, neither TOPS certification nor ROPS certification can be maintained
- Therefore, only cab elevations from 500 mm upward can be realized



Tilting cab

Model:
PKN machine-dependent
PRN203649

Tilting cab - benefits and functions

- Stepless tilt up to 30 degrees
- Significantly improved view of the work equipment and work area
- Ideal for demolition applications
- Greater work safety through better visibility and reduced blind spots
- Less tiring, more relaxed work for the operator

Design features

- Robust, durable design
- Specially developed for the high demands of demolition
- With original Cat components



Rising cab

Model:
PKN machine-dependent
PRN203650

Applications

- Used primarily on material handling machines in recycling operations
- Also suitable for light demolition
- Ideal for sorting and loading operations

Benefits of riser cabs

- Elevated seating position for the operator
- Significantly improved all-round visibility of the work environment and equipment
- Easier and safer loading of containers, trucks and shredders
- More efficient monitoring of loading operations

Lift heights

- Large HCR: stepless adjustable up to max. 2.600 mm
- Small HCR: stepless adjustable up to max. 2.400 mm

Hydraulics and operation

- Two HD hydraulic cylinders for comfortable, stepless rising and lowering
- Parallelogram design keeps the cab level across the entire lift travel
- Cab movement slows near the end position for greater comfort
- Emergency cab lowering possible via a lever in the cab or near ground level on the frame
- With original Cat components



Tiltable rising cab

Model:
PKN machine-dependent
PRN203651

Tiltable rising cab - the demolition professional

- Combination of rising cab and tilting cab
- Perfect view of equipment and working environment
- Ideal for demanding demolition applications

Functions and range of movement

- Lift height up to 2.600 mm
- Can be tilted backward by 30 degrees in any position
- Optimally adjustable working position in all application situations

Technical special features

- Tilting function realized by a certified intermediate frame specially developed by Zeppelin

UNDERCARRIAGES FOR CRAWLER EXCAVATORS

HVG Undercarriage (Hydraulic Variable Gauge): Hydraulically Variable Gauge Undercarriage

HVG UNDERCARRIAGE

- Width in retracted state: 2.990 mm
- Extendable by 1.000 mm to a total of 3.990 mm
- Significantly higher stability due to enlarged footprint
- Increased lifting capacities over the side
- Transport width below 3 meters when retracted (except Cat hydraulic excavator 352)
- Transport is possible without special permits (except Cat hydraulic excavator 352)

Your benefits

- Significant increase in side stability
- Easy transport due to transport width under 3 m (except Cat hydraulic excavator 352)
- Fast extension and retraction

Individual solutions

- Track widening and lengthening according to customer requirements possible

Availability

- Conversion to HVG undercarriage is possible for all Cat hydraulic excavators from the 326 to the 352

COUNTERWEIGHTS CRAWLER EXCAVATORS | WHEEL LOADERS | TRACK LOADERS

Hydraulically Removable Counterweights

Your solution for increasing transport requirements

- Reduction of costs and effort when machines are frequently relocated
- Especially advantageous for heavy machines in construction site use
- Enables transport with a permanent permit instead of individual permits

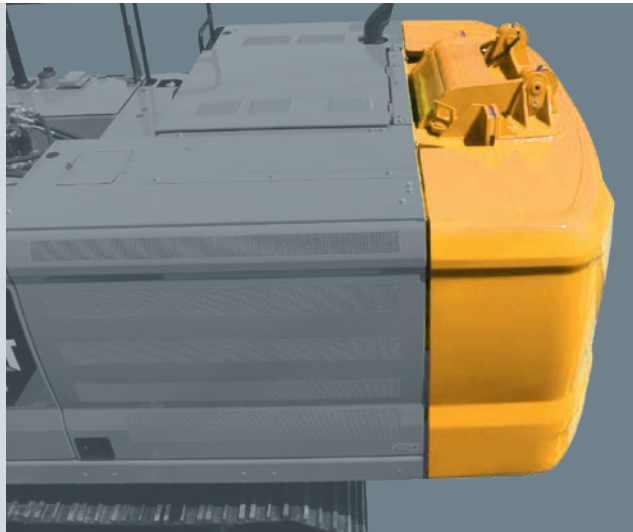
Your benefits

- Avoidance of special permits through rapid removal of the counterweight
- Significant reduction in transport weight
- Safe and fast operation
- Fast hydraulic removal and reinstallation
- High stability when installed

Availability

- Hydraulically removable counterweight available for most Cat hydraulic excavators after consultation

Counterweight models:
PRN203652 (326 | 330)
PRN203653 (336 | 340)
PRN203654 (352)



ARMORED CABS FOR HYDRAULIC EXCAVATORS | TRACK LOADERS

Explosive Ordnance Disposal | Military Use

Availability

- Conversion kits are available for the following models:
 - hydraulic excavators 312-390
 - wheeled hydraulic excavators M314-M322

Conversion kit according to DGUV 201-027

- Specially developed conversion kit from Zeppelin
- Meets the requirements of the employer's liability insurance association standard DGUV 201-027
- Suitable for machines used in explosive ordnance disposal

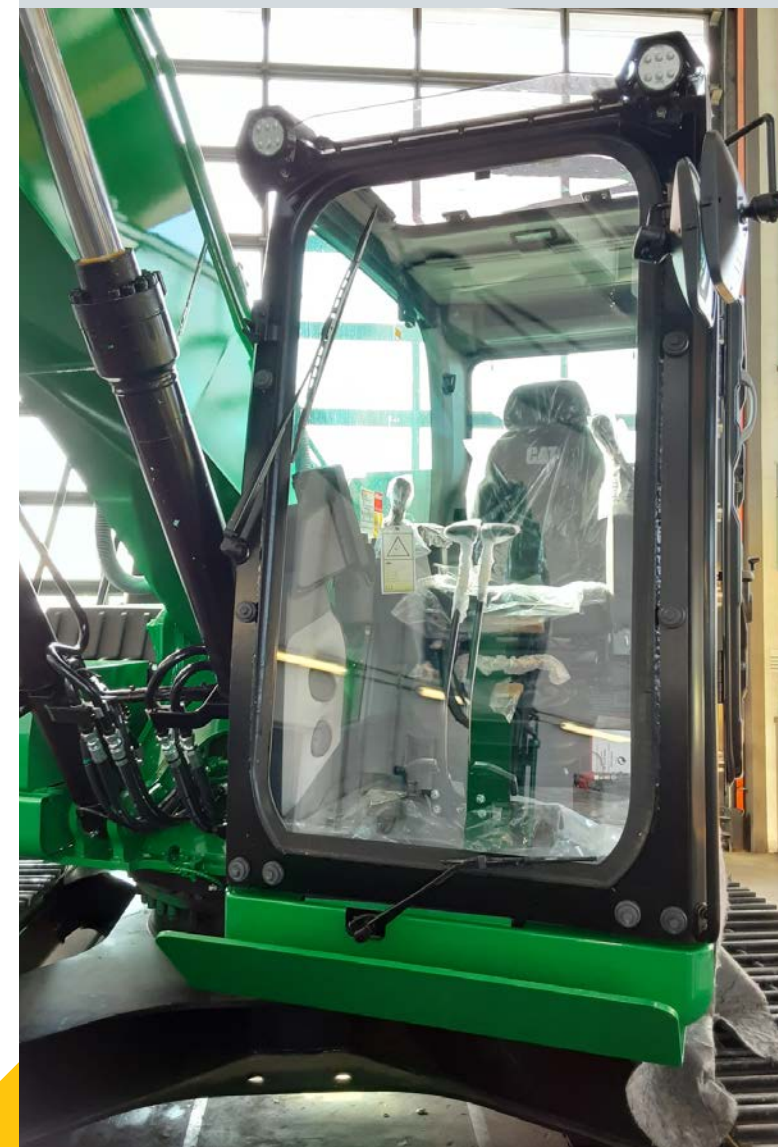
Components of the conversion kit

- BR6NS armored glass in prefabricated frame
 - Mounted to existing attachment points of the falling-object demolition guard
 - Replaces the original pane and frame
 - Tested by ballistic firing test
- Armored sheet-metal parts to protect the cab floor and cab front
- Complete documentation according to DGUV 201-027 included

Military protection solutions

- Additional protective measures for cab and machine possible
- Version according to NATO STANAG Level 2 classification; other protection requirements such as STANAG available on request
 - STANAG 4569 Level 2a
 - STANAG 4569 Level 2b
 - STANAG 4569 Level RF1a
 - STANAG 4569 Level RB1a and/or RB1b
- These levels relate to ballistic impact and explosive blast; rocket fire and CBRN (nuclear, chemical, or biological) protection requirements can also be met
- Military protection solutions are generally substantial modifications and require new certification

ARMORED PANE BEFORE AND AFTER BALLISTIC FIRING TEST



MACHINE PROTECTION

WHEEL LOADERS | TRACK LOADERS



Collision Protection | Collision Guard

Description

- Protection against costly damage from minor collision accidents
- Effectively reduces the extent of damage
- Available for most models as a swing-away version
- Unrestricted access for daily maintenance work

Your benefits

- Prevention of rear-end damage
- Massive design
- No additional certification required
- Complete solution: steel construction, painting, assembly
- No restrictions to maintenance work or rear visibility

Availability

- Four different complete kits for Cat wheel loaders and Cat track loaders:
 - 950(M)-962(M) swing-away
 - 966(M)-972(M) swing-away;
 - 980(M)-982(M) swing-away
 - 953(K) / 963(K) fixed mounting
- For on-site conversion, the counterweight must be at the Zeppelin branch in Boeblingen because threads have to be cut there



Cylinder Guards

Protection of hydraulic cylinders

- Protection against damage caused by falling objects and material fragments
- Suitable for lift cylinders, stick cylinders, and bucket cylinders
- Robust, massive design
- Optional connection to the central lubrication system

Availability

- Available for all crawler excavators, wheeled excavators, and material handlers
- Valid for new and older generations



Track Scraper

Protection in tough applications

- Specially for demolition and heavy-duty use
- Protects the upper carriage against coarse dirt and damage
- Massive design with permanently welded bracket

Availability

- For all 320-352 models of the old and new generation
- Additional models on request

STS

SERVICE | TECHNOLOGY | TRAINING



ONE-WAY HYDRAULICS WITH MULTIPLE FUNCTIONS



BUCKET CAMERA



WATERTANK



WATER SPRAY SYSTEM

One-way hydraulics* with multiple functions

- Systems such as Movax or Vosch can be supplied by the machine through new joystick assignments and variable control of AUX1 depending on load
- Precise coordination between sales and customizing is important

Bucket camera

- Integrated bucket cameras are required to comply with ISO 5006 with high-volume buckets
- AI-based person detection is also possible
- Systems can be expanded if required and after consultation

Stick camera

- Mounted on sticks and booms to improve visibility of the attachment
- 10-inch monitor provides detailed and clear visibility
- Simple installation on material handling equipment and UHD machines
- Retrofit also possible

Water tank

- Independent operation with a water spray system or necessary water connection
- Can be combined with this tank for water spray systems
- Simple mounting on the counterweight
- No removal required for transport

Water spray system

- Intelligent control only during actual dust generation when grabbing or cutting
- Electric pump - easy installation and maintenance-friendly
- Variable control of the pump through different modes

Auxiliary heating

- Air or water heater for most machines in the Cat portfolio
- Water heaters for additional preheating of the engine and cab

* In one-way hydraulics, the attachment is supplied via a hydraulic oil flow in one direction

ZEPPELIN – ALWAYS NEARBY!

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