



PScale 8-T

Efficient mine scaling

- Best price / performance ratio
- Largest scaling coverage in its class
- Sensitive control
- Comfort cab
- Ultra-compact design

Technical data

6111-00-000 - 02.11.2023

MAIN FEATURES OF THE MACHINE

12226-5

Compact scaling machine for holding a hydraulic hammer for underground mining

Working height, maximum 8.0 m

OPERATING CONDITIONS

12224-6

Ambient temperature * -20 to +50 °C

* Note the cold start limit temperature of the diesel engine.

Permissible longitudinal inclination, maximum 35%

Operating altitude without reduction in power < 1500 m

WEIGHTS AND LOADS

12672-1

Operating weight * 10,000 kg

* Depending on selected options

Attachment weight, maximum 400 kg

Permissible front axle load 6.500 kg

Permissible rear axle load 6.500 kg

CHASSIS

12229-6

Pendulum angle +/- 8 °

- Split chassis with articulated steering
- Fixed front axle and oscillating rear axle
- Automatic locking of the oscillating axis when the turret is swiveled

ENGINE

12230-8

C4.4 diesel engine

Manufacturer CATERPILLAR

Type C 4.4

Emissions level EU: Stage III A
USA: EPA Tier 3

Power 97 kW

At speed 2,200rpm

Alternator 28 V
100 A

Starter motor 24 V
4.5 kW

Cold start limit temperature -15 °C

- Exhaust gas aftertreatment by catalytic converter with measuring points.
- Fuel pre-filter and fine filter with water separator
- Manual fuel pump
- Engine monitoring and operating data display with diagnosis display
- Dry air filter with pre-separator

ENGINE (OPTIONAL EQUIPMENT)

11345-8

TCD 4.1 diesel engine

Manufacturer DEUTZ

Type TCD 4.1

EU exhaust gas level Stage V

USA exhaust gas level EPA Tier 4F

Power 105 kW

At speed 2,200rpm

Exhaust gas aftertreatment DOC
DPF
SCR

Cold start limit temperature -15 °C

Technical data

6111-00-000 - 02.11.2023

- Fuel pre-filter and fine filter with water separator
- Engine monitoring and operating data display with diagnosis display
- Dry air filter with pre-separator
- For fuels with sulfur content < 10 mg/kg

FUEL SYSTEM

12233-4

| | |
|--------------------|-------|
| Fuel tank capacity | 130 l |
|--------------------|-------|

- Electric fill level display
- Shut-off valve to protect against fuel leakage in case of hose rupture

TRAVEL DRIVE

12234-4

| | |
|---------------|---------|
| Speed forward | 18 km/h |
|---------------|---------|

| | |
|---------------|---------|
| Speed reverse | 18 km/h |
|---------------|---------|

| | |
|----------------|-------|
| Tractive force | 65 kN |
|----------------|-------|

| | |
|------------------|------|
| Climbing ability | 40 % |
|------------------|------|

- Hydrostatic travel drive
- Travel drive reversible under load
- all-wheel drive
- Operating data display on diagnosis display

AXES

12236-2

| | |
|--------------|------|
| Manufacturer | DANA |
|--------------|------|

| | |
|-----------------|-----|
| Front axle type | 112 |
|-----------------|-----|

| | |
|-------------------------|-------|
| Front axle differential | 100 % |
|-------------------------|-------|

| | |
|----------------|-----|
| Rear axle type | 112 |
|----------------|-----|

| | |
|------------------------|------|
| Rear axle differential | Open |
|------------------------|------|

SERVICE BRAKE

11330-1

- Hydraulic foot brake as 2-circuit external force brake system
- Disc brakes running in an oil bath

PARKING BRAKE

11332-1

- Spring-loaded, hydraulically released (SAHR)
- Hand pump for releasing the brake in case of system failure

AUXILIARY BRAKE

11333-1

- A circuit of the service brake

TIRES

12239-5

| | |
|-----------|---------|
| Tire size | 9.00x20 |
|-----------|---------|

| | |
|----------------|-----|
| Tire inflation | PUR |
|----------------|-----|

STEERING

12241-1

- Hydraulic articulated steering with a double-acting hydraulic cylinder
- Steering wheel steering
- Emergency steering properties

HYDRAULICS

12240-5

| | |
|---------------------------------------|------|
| 1. Hydraulic fluid reservoir capacity | 80 l |
|---------------------------------------|------|

| | |
|---------------------------------------|-------|
| 2. Hydraulic fluid reservoir capacity | 100 l |
|---------------------------------------|-------|

| | |
|--------------------|---------|
| Operating pressure | 200 bar |
|--------------------|---------|

Technical data

6111-00-000 - 02.11.2023

- Two separate hydraulic circuits, for hammer hydraulics and travel drive/working hydraulics
- Load sensing, electrohydraulically piloted
- Inspection glasses for min/max display
- Electric fill level display
- Electric filter monitoring
- All fittings as JIC version
- All hydraulic motors and pumps made of cast iron
- Hand pump for filling the hydraulic fluid reservoirs
- Hand pump for tilting the cab for maintenance work
- HYDRAULIC FLUID (ATF)

- Two headlights each for short-range and long-range road illumination
- Parking lights, reversing lights, brake lights and direction lights
- Four front lights for the work area
- Four rear headlights
- Two working lights on the telescopic tube
- Yellow strobe lights

12984-2

LIGHTING (OPTIONAL EQUIPMENT)

- Strobes red
- Strobes blue

ELECTRICS

12243-5

| | |
|---------------------|--------|
| Operating voltage | 24 V |
| Number of batteries | 2 pcs. |
| Battery voltage | 12 V |
| Battery charge | 110 Ah |

LIGHTING (OPTIONAL)

12253-4

- Two additional working lights at the front of the cab
- Rear working lights, active when reversing
- Direction lights red / green

ELECTRICS (OPTIONAL)

12822-3

- Jump start socket
- Enhanced sealing of the connectors by grease filling and sealing tape

COMPRESSED AIR SYSTEM

12254-3

- Piston compressor
- Compressed air reservoir
- Pressurization of the hammer housing against dirt penetration

DRIVER'S PLATFORM

12245-5

Closed cab

- Heating with ventilation and filter
- Sliding windows, left and right
- Wiper/washer for windshield and rear window
- Interior lighting
- DOCUMENTS BOX
- Two exterior mirrors
- All driving-relevant switches and actuations located within reach of the operator

LIGHTING

12244-3

All headlights and lamps as LED variants:

Technical data

6111-00-000 - 02.11.2023

- Safety window made of armored glass in front
- Folding stone chip protective grille for windshield
- Hydraulically tilting for ideal view of the attachment
- Hydraulic hammer operation with foot switch or joystick
- Adjustable hammer interval time and strike frequency
- Driver's display 4.3"

Diagnosis display 4.3"

- Active faults and fault history
- Parameter changes with authorization levels
- Miscellaneous operating data

Driver's seat

- With lap belt and head restraint
- Imitation leather cover
- Adjustable backrest and seat cushion

DRIVER'S PLATFORM (OPTIONAL EQUIPMENT)

12985-1

- Heated exterior mirrors
- Driver's seat with air suspension
- 3-point seat belt for driver's seat

DRIVER'S PLATFORM (OPTIONAL)

12252-4

- Air-conditioning system
- Rear window heating
- Driver's seat contact switch
- Driver's seat belt contact switch
- Driver's display 7"
- Maintenance interval display on the diagnosis display
- Longitudinal and lateral inclination display
- Reversing camera system
- Reversing signal, can be acknowledged
- Radio with USB port

TURRET AND TELESCOPIC TUBE

12246-1

- Lifting cylinder with counterbalance valve
- Telescopic tube with two extensions
- All bearing points with highly wear-resistant plain bearings
- Robust wipers for sealing the telescopic tubes
- Stone guard on boom for all hydraulic connections
- Rock deflector on the boom

FRONT DOZER BLADE

12247-1

- Hydraulically lifted and lowered
- Lifting gear protected against stone impact

WORK EQUIPMENT (OPTIONAL EQUIPMENT)

12982-2

PH-2TS hydraulic hammer

| | |
|---------------------|-----------------|
| Manufacturer | NPK |
| Type | PH-2TS |
| Operating weight | 260 kg |
| Minimum stroke rate | 500per minute |
| Maximum stroke rate | 1,200per minute |

- Central lubrication system for hydraulic hammer
- Extra long pointed chisel
- Special hydraulic hammer for scaling operations

SB 202 T hydraulic hammer

| | |
|---------------------|-----------------|
| Manufacturer | EPIROC |
| Type | SB 202 T |
| Operating weight | 199 kg |
| Minimum stroke rate | 1,250per minute |

Technical data

6111-00-000 - 02.11.2023

| | |
|---------------------|-----------------|
| Maximum stroke rate | 1,700per minute |
|---------------------|-----------------|

- Central lubrication system for hydraulic hammer
- Pointed chisel

SB 302 T hydraulic hammer

| | |
|--------------|--------|
| Manufacturer | EPIROC |
|--------------|--------|

| | |
|------|----------|
| Type | SB 302 T |
|------|----------|

| | |
|------------------|--------|
| Operating weight | 315 kg |
|------------------|--------|

| | |
|---------------------|---------------|
| Minimum stroke rate | 950per minute |
|---------------------|---------------|

| | |
|---------------------|-----------------|
| Maximum stroke rate | 1,250per minute |
|---------------------|-----------------|

- Central lubrication system for hydraulic hammer
- Pointed chisel

FIRE PROTECTION

12818-3

- Handheld fire extinguisher (TOTAL) with 10kg dry extinguishing agent

FIRE PROTECTION (OPTIONAL EQUIPMENT)

12993-3

- HRD fire-extinguishing system (PROTECFIRE) with manual release and dry extinguishing agent
- HRD fire-extinguishing system (PROTECFIRE) with automatic release and dry extinguishing agent
- HRD fire-extinguishing system (ANSUL) with manual release and wet solution
- HRD fire-extinguishing system (ANSUL) with automatic release and wet solution
- Handheld fire extinguisher (ANSUL) with 7.7 kg dry extinguishing agent

WORK EQUIPMENT (OPTIONAL)

12472-11

Dust suppression system

- Water tank 130 l
- Water pump
- Flat spray nozzle on hydraulic hammer

Front supports

- Hydraulic telescopic supports
- Right and left, firmly mounted on the front carriage
- Vertically extending
- Counterbalance valves in the hydraulic cylinders

Mechanical quick change system

- For mounting interchangeable equipment
- Mounting plate with mechanical lock

Vibration damping system

- Vibration damping system, automatic / deactivating

PAINTWORK

12248-2

| | |
|---------------------|----------|
| Frame / dozer blade | RAL 1007 |
|---------------------|----------|

| | |
|------------------------------------------|----------|
| Driver's platform / chassis / attachment | RAL 7016 |
|------------------------------------------|----------|

PAINTWORK

12248-5

| | |
|-------|-----------------|
| Color | RAL 1007 / 7016 |
|-------|-----------------|

ACCESSORIES

12249-3

- 2 chocks
- 2 warning triangles
- Tool bag
- Safety helmet and ear protection
- First-aid kit

ACCESSORIES (OPTIONS)

13014-2

- Spare wheel
- Automatic central lubrication on basic vehicle

- Brake test function
- Hill start assist with automatic release / engagement of the parking brake

SAFETY EQUIPMENT

12255-6

All machines are designed and manufactured in accordance with the latest safety standards, including the currently applicable European Machinery Directive and the ISO standard for mobile machinery for underground mining. This means that the machines already offer a high level of safety for the operator in the basic version, which can be supplemented by additional optional safety equipment if required.

Standard equipment includes the following safety features:

- ROPS/FOPS protective cover
- Brake system ("failsafe")
- Battery master switch, locking
- EMERGENCY STOP button: 1x on driver's platform, 1x outside
- Engine start warning with start delay
- Audible reversing signal
- 3-point safety entry, left
- Emergency exit, right
- Entrances and exits, slip-resistant and color-contrasting
- Articulated frame lock

The following happens automatically if the driver is absent:

- The travel drive shifts to neutral
- The parking brake is activated

SAFETY EQUIPMENT (OPTIONAL)

12256-5

- Escape function
- "Plug-in" pre-fitting for radio remote control
- Radio remote control

DOCUMENTATION

11344-1

- A printed operating manual in the document box on the vehicle
- Operating manual, spare parts list and circuit diagrams in electronic form via online access

DOCUMENTATION (OPTIONAL)

12825-2

- Another operating manual in local language, in printed form
- A spare parts list in local language or English, in printed form

MACHINE SOFTWARE

12263-1

- Machine software provided in local language

MAINTENANCE PACKAGES

12824-1

- Service package, 2000 operating hours
- Service package, 3000 operating hours

PAUS CONNECT CLOUD (OPTIONAL)

11355-5

extensive service program. Trained employees are available on our service hotline, as are competent contacts at our local dealers.



The PAUS CONNECT CLOUD collects and visualizes data, messages or location information of the machine.

The data is transmitted to the cloud using a built-in telemetry unit.

Your advantages:

- Faster service
- Life cycle cost management
- Data transmission via existing WLAN and/or mobile phone networks
- Temporary storage of all data in case of no connectivity (up to 30 days)
- Access to the PAUS CONNECT Cloud
- Remote diagnosis/remote maintenance
- Statistical deployment evaluation
- Vibration monitoring
- Two-way communication
- Approval of machine use
- User management with controlled data release
- Individual reports and statistics
- Direct access at the machine to read out data

SPARE PARTS

11354-1

We attach great importance to a high level of availability of Paus spare parts. In addition to maintenance and service parts, which are available at any time, customers and dealers are able to purchase spare parts for engines, axles, transmissions, etc. easily and quickly through us. Benefit from our on-line catalog with refined spare parts lists.

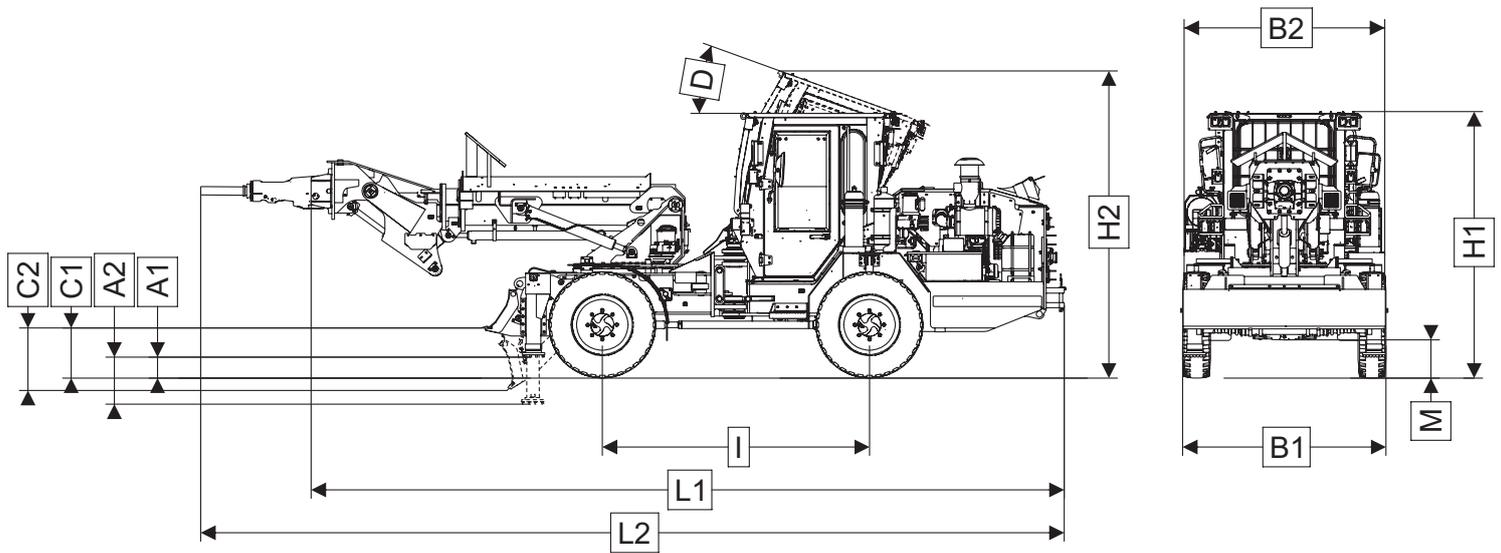
CUSTOMER SERVICE

11353-1

Repairs and maintenance work are central points in customer care. Here, Paus is broadly positioned and offers its customers and dealers worldwide an

DIMENSIONS

9010-7



The illustration shows the machine type PScale 8-T with hydraulic hammer of type EPIROC SB 302 Tunnel.

| Dimension | Note | Value | Unit |
|-----------|---------------------------------------------------|-------|------|
| A1 * | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 200 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 145 | mm |
| A2 * | | 450 | mm |
| B1 | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 1.925 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 1.955 | mm |
| B2 | | 1.910 | mm |

* Optional

** Dimension depends on the installed attachment

Technical data

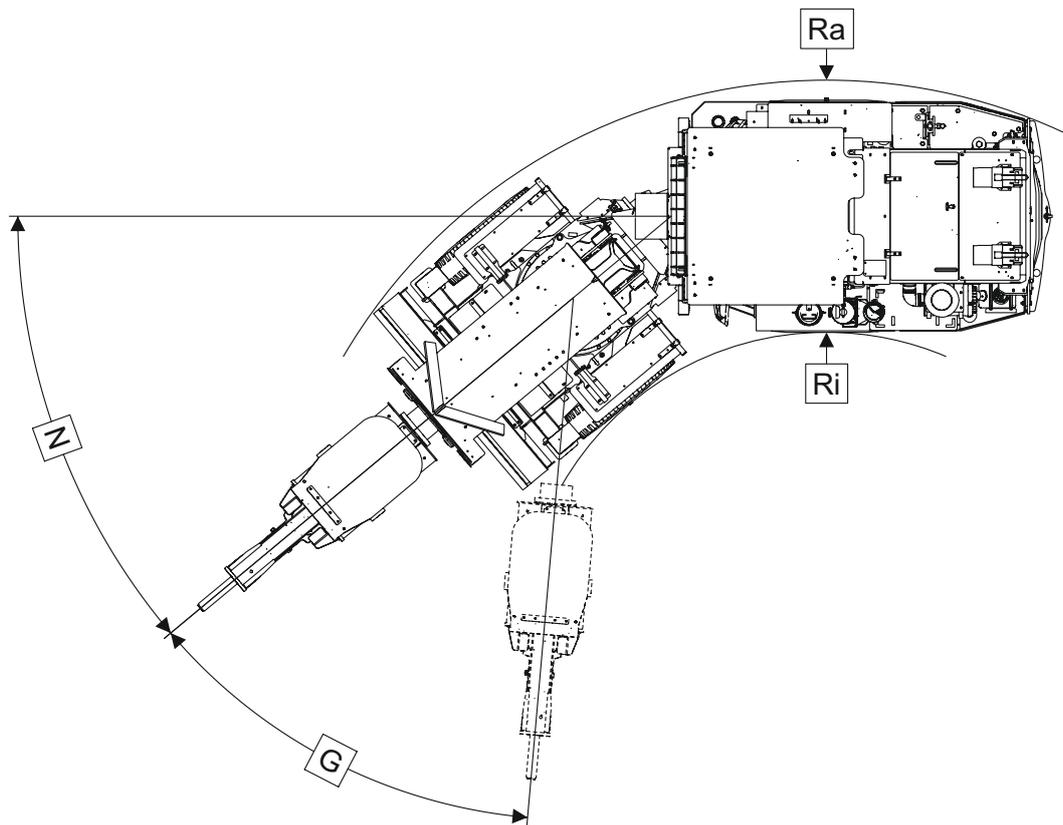
6111-00-000 - 02.11.2023

| Dimension | Note | Value | Unit |
|-----------|-----------------------------------------------------|-------|------|
| C1 | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 480 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 425 | mm |
| C2 | | 565 | mm |
| D | | 20 | ° |
| H1 | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 2.540 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 2.490 | mm |
| H2 | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 2.930 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 2.880 | mm |
| I | | 2.530 | mm |
| L1 | CATERPILLAR C4.4 ACERT engine | 7.125 | mm |
| | DEUTZ TCD 4.1 L4 engine | 7.285 | mm |
| | CATERPILLAR C4.4 ACERT engine + quick-change system | 7.000 | mm |
| | DEUTZ TCD 4.1 L4 engine + quick-change system | 7.160 | mm |
| L2 | | ** | mm |
| M | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 365 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 310 | mm |

* Optional

** Dimension depends on the installed attachment

TURNING RADIUS

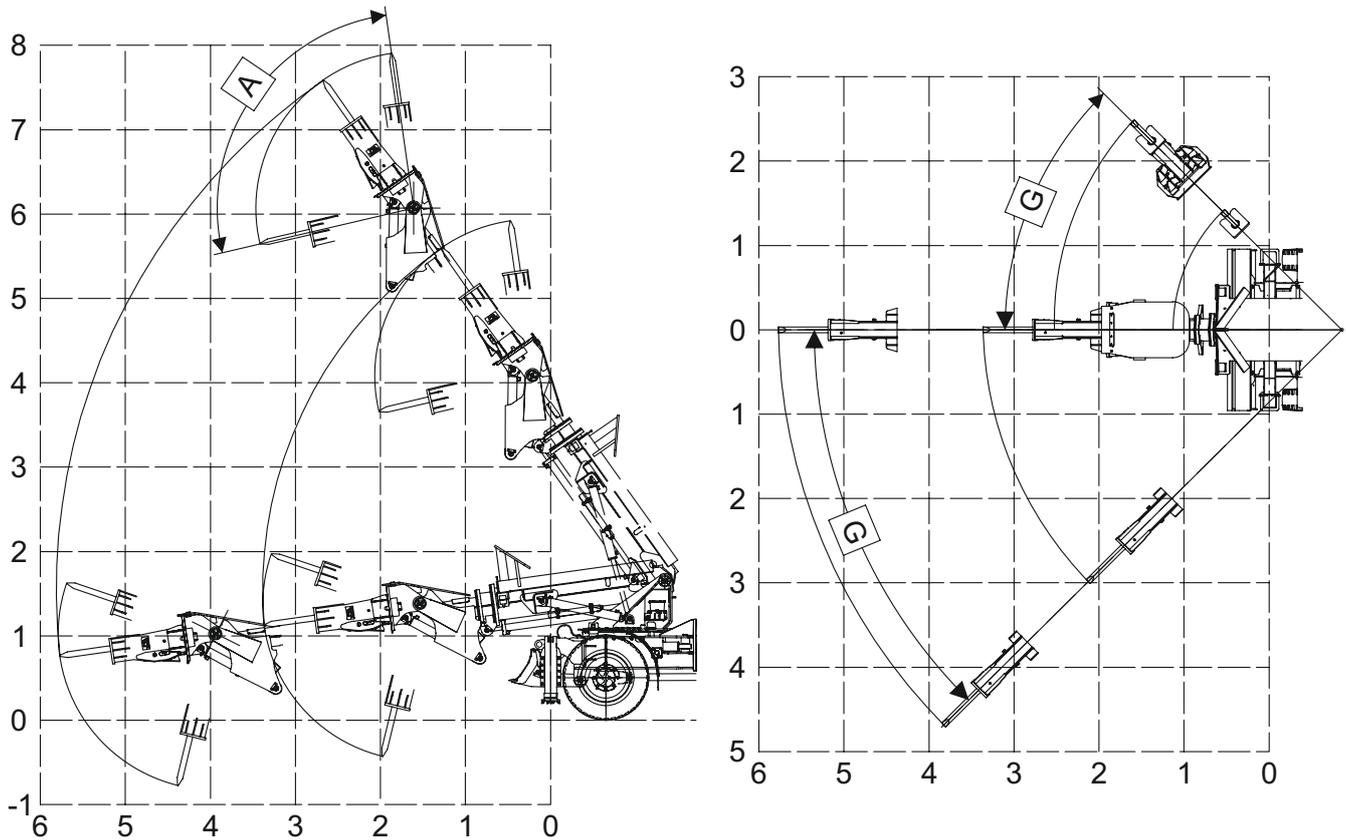


The illustration shows the machine type PScale 8-T with hydraulic hammer of type EPIROC SB 302 Tunnel.

| Dimension | Note | Value | Unit |
|-----------|---------------------------------------------------|-------|------|
| N | Maximum steering lock | 45 | ° |
| G | | 45 | ° |
| Ri | Tires KENDA 9.00-20 K610 Kinetics - foam-filled | 2.505 | mm |
| | Tires MICHELIN 10.00R15 X MINE D2 - foam-filled * | 2.490 | mm |
| Ra | | 4.595 | mm |

* Optional

HYDRAULIC HAMMER WORK AREA



Picture shows machine type PScale 8-T with hydraulic hammer of the type NPK PH2.

| Dimension | Value | Unit |
|-----------|-------|------|
| A | 95 | ° |
| G | 45 | ° |