

Tunnel excavator yellow Fox

■ For tunnel cross-sections from Ø 4,2 m

Weblink
yellow Fox

■ Working high: 4,2 m - 7 m

■ Equipment specially developed for tunneling

■ Precisely designed for the tunnel construction

Technical details (Subject to change)

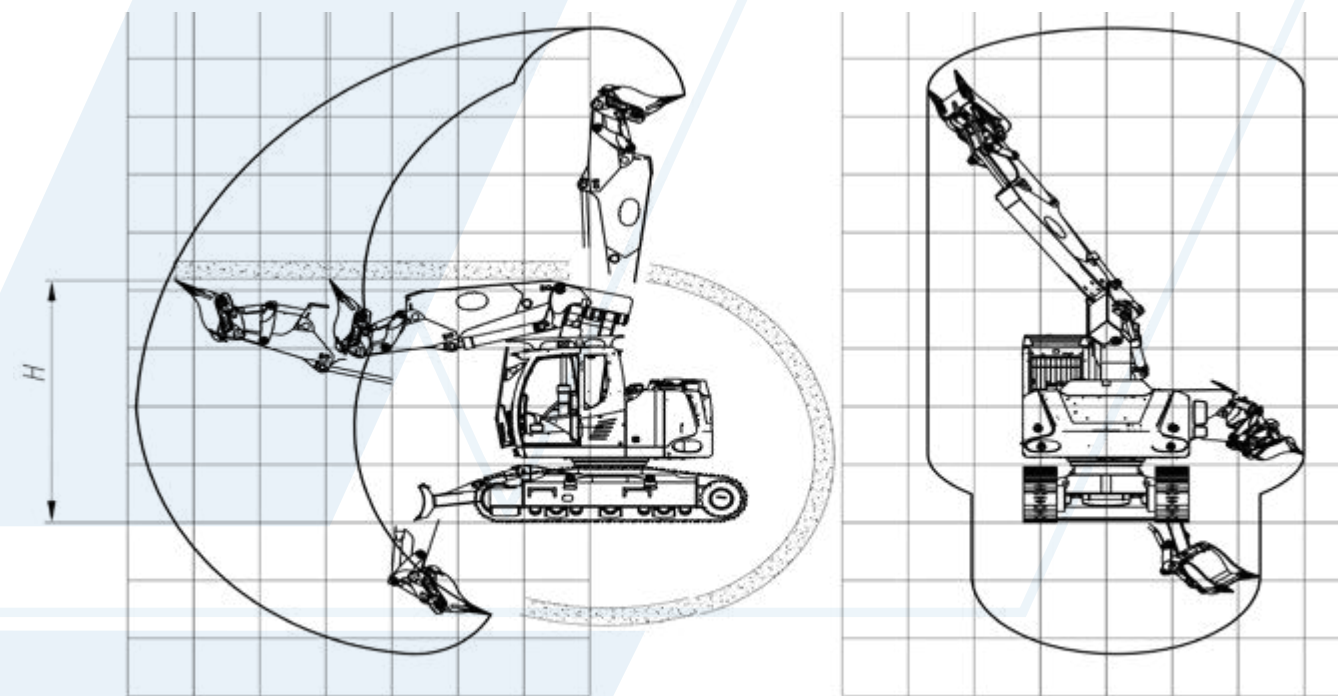
Model	yellow Fox
Operating weight, kg	22.000
Engine power, kW	90
Tunnel high minimum, m	4,2
Tunnel width minimum, m	3,0
Tunnel width min. - 180° Rotate uppercarriage, m	5,2
Standard quick coupler	A-Lock 3
Breakout force, kN	115
Tear force, kN	120
Control voltage, V	24 DC
Central greasing unit	✓
Uppercarriage	LH R914 Compact
Undercarriage	LH R920 - 192 kN traction
Engine model	
Engine type	4 Zyl. DEUTZ Common-Rail Diesel, Stage 5 / Tier 4 Final
Exhaust aftertreatment	DOC, DPF, SCR
Fuel content	175 L
Consumption, ø	11,9 l/h
Cooling	
Safety features - standard	
Quick coupler A-Lock with SUVA-certification	✓
Automatic fire extinguishing system	✓
Emergency stop button and reversing alarm device	✓
Rear view and side view camera	✓
Stop valves on all cylinders	✓
Cabin with ROPS and FOPS Stage II	✓
Closed cabin with sound reduction**	✓
Flame-retardant hydraulic oil	✓ Safetyfluid 46
Hydraulic system	
Tank capacity	100 L
System capacity	230 L
Hammer-/ shear circuit	max. 200 L/min, max. 350 bar
Grapple-rotation circuit	max. 20 L/min, max. 200 bar
Hydraulic system - type	Axial piston pump with LSC, Hyd.-pilot control
Separate tank line with return filter	✓
Separate leakage oil line with leakage oil filter	✓
Possible Attachments	
Tunnel driving bucket, loading bucket	Tunnel bucket 600, Bucket 1000FG3.3
Hydraulic breaker	WH17 TU/UW
Hydraulic cutter	WR18, D20
Drilling attachment	AB2300-BB, WIDA
Demolition shear	Top-Cut 550
Tunnel gripper	WTG-270 / Universal

Digging arc	
Tunnel high [m]	Feed [mm]
4,2	2.340
5,0	2.750
5,5	3.050
6,0	2.960
6,5	2.930
7,0	3.020



Operation with hydraulic cutter **WR18**

Digging arc - schema yellow Fox



Extinguishing container and optional **Blaxtair** person detection system

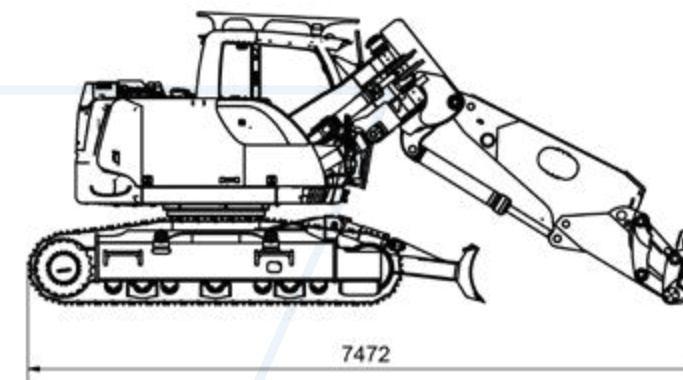
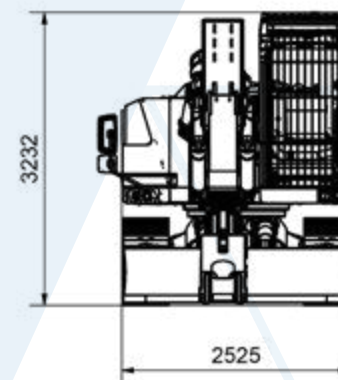


Central lubrication distributor



Central greasing unit

Dimensions - transport yellow Fox



Hydraulic oil **Safetyfluid 46**

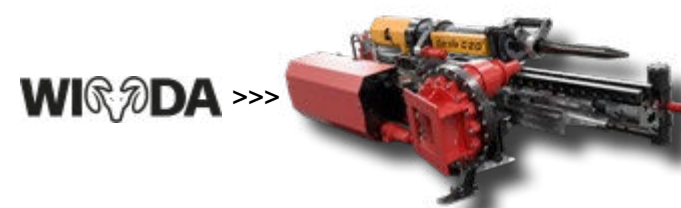
- **Flame-retardant** according to DIN EN ISO 12922, flash point at 274 °C
- **Oxidation and wear resistance** - Long oil change intervals
- **No ester oil** - Hydrolytic stability and tolerance to moisture ingress
- **Biodegradability** at 80%



wimmer.info



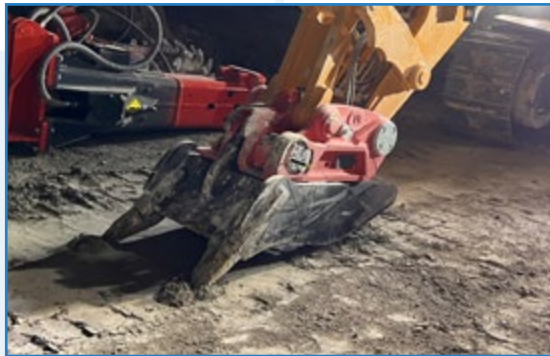
Tunnel-attachment-tools fitting on yellow Fox



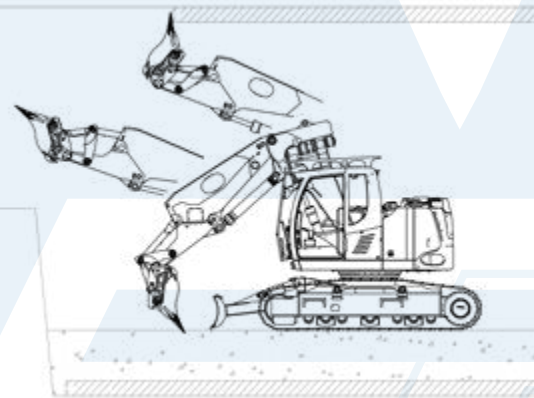
Weblink
Drilling technology



Tunnel driving bucket LPT600



Teeth: 2x ESCO U35 P
Cutting width: 600 mm
Connection: A-Lock 3



Standard-form suitable for tunneling and for overhead follow-up work

Bucket LP1000FG3.3



Teeth: 4x ESCO U30 S
Cutting width: 1.000 mm
Capacity: 818 I/SAE
Connection: A-Lock 3

Hydraulic breaker WH17 TU/UW



✓ **Tunnel-version (TU):** Special tunnel sealing for the chisel | High-speed-piston with a shortened stroke for additional protection

✓ **Underwater-version (UW**):** Prepared with a separate connection for the air supply in the area of the bushings and the piston

✓ **Combination with TU & UW**:** Additional protection against the ingress of water, dirt, and dust | Long service life
** An external air supply is required

Operating weight: 1.100 kg (ohne Adapter)
Oil flow: 70 - 130 L/min
Working pressure: 135 bar
Pressure relief valve: 170 bar
Chisel Ø: 115 mm
Drilling pattern: WH17/22



The **NEW** tunnel sealing

Hydraulic cutter Rockwheel



Cutter **D15** (Compact)

Hydraulic power: 41 kW
Max. oil flow: 132 L/min
Optimum oil flow: 120 L/min

Torque of cutter: 6.945 Nm @ 350bar
Drum speed: 96,2 rpm @ 120 L/min

Operating weight: 595 kg (without adapter)
Number of chisel: 65 pc.

Application: Profiling, Tunnel drive

Cutter **D20** (Performance)

Hydraulic power: 70 kW
Max. oil flow: 320 L/min
Optimum oil flow: 220 L/min

Torque of cutter: 15.627 Nm @ 350bar
Drum speed: 78,2 rpm @ 120 L/min

Operating weight: 1.170 kg (without adapter)
Number of chisel: 64 pc.

Application: Tunnel drive, Mining

Option: Cutter **D15** with **360° rotator**

Endlessly rotatable in according to a integrated rotary union

Optionally, all types are also available with a **water spray unit** for dust suppression



Demolition shear Top-Cut 550 Universal



Weight without adapter: 1.885 kg
Max. opening width: 550 mm
Mouth depth: 530 mm

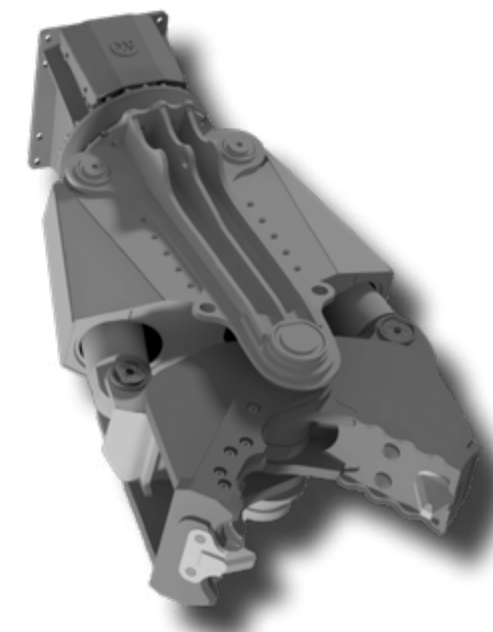
Jaw model: Universal
Excavator weight: ab 16 to.

Drilling pattern: WH17/22, or AL3

Hydraulic data:

Rotation pressure: max. 200bar
Rotation oil flow: 20-25 L/min

Open/close pressure: max. 350 bar
Open/close oil flow: max 200 L/min



Lattice arch gripper GBG-270



Custom-made **tunnel arch gripper** specifically designed for the safe installation of **tunnel arches**

Tilting function: 2 x 45°
Connection: AL3

Interchangeable gripping units:
Possible **3-belt H1 arches:** 70, 95, 115
Possible **4-belt H1 arches:** 190

Hydraulic data:
Max. pressure: max. 200bar
Max. oil flow: 20-25 L/min

Tunnel arch gripper WTG-270 / WTG-270-Universal



Gripper specifically designed for the **safe installation** of **tunnel arches**

Tilting function: 2 x 45°
Connection: AL3

Interchangeable gripping units - HEB (WTG-270):
HEB220, HEB240

Interchangeable die for **WTG-270-Universal**:
THN21, THN29, TH70/40-44
HEB120, 140, 160, 180

Hydraulic data:
Max. pressure: max. 200bar
Max. oil flow: 20-25 L/min