

ROBUST T10

TRANSPORTATION VEHICLE

SWT ROBUST T10



**The picture is only for the offer purposes and may differ to real vehicle*

SWT **ROBUST T10** self-propelled **transport vehicle** is designed for transporting personnel and other materials in non-methane underground mines of metal ores and mineral resources. Apart from transporting the workers it can also be used as emergency vehicle for rescue teams and for delivering the tools, machinery parts, propellants or mining anchors.

Thanks to the **solid construction** with strengthened frame and body the machine has increased resistance to demanding underground applications where high performance and excellent productivity is needed. **ROPS/FOPS** approved cabin meets the requirements of challenging underground mining conditions.

Good stability and a properly selected drive and braking system enable this vehicle to be used in tunnels with **longitudinal gradients** (in the direction of travel) of **up to 15°** and with **transverse gradients of up to 8°**. It improves the working environment in terms of noise and emissions thanks to its catalytic purifier with silencer and **Euro 5 (Stage V)** emission **DEUTZ** brand engine.

It offers **the chassis, transmission, differential, and axle infrastructure** of the **Land Cruiser**, which is among the most durable off-road vehicles in the world, **adapted to the toughest terrain conditions** (mud, snow, desert), and renowned for its legendary durability.

CAPACITIES	
Personnel	1+9
or	or
Material	800 kg

DIMENSIONS	
Length Overall	5,650 ^{±50} mm
Width over cabin / rear mirrors	2,080 ^{±20} mm
Height (Low Profile)	
-tire option 1 (225/75 R16)	1,880 ^{±40} mm
-tire option 2 (245/75 R16)	1,895 ^{±40} mm
-tire option 3 (235/85 R16)	1,910 ^{±40} mm
Height (High Profile)	
-tire option 1 (225/75 R16)	2,100 ^{±40} mm
-tire option 2 (245/75 R16)	2,115 ^{±40} mm
-tire option 3 (235/85 R16)	2,130 ^{±40} mm
Ground Clearance	210 mm

DRIVING SPEEDS	
Max Front Speed	40.0 km/h
Rear Gear Speed	15.0 km/h

WEIGHTS	
Operating Weight	2,900 ^{±100} kg
Loaded Weight	3,900 ^{±100} kg
Front Axle (Unloaded)	1,500 ^{±50} kg
Rear Axle (Unloaded)	1,400 ^{±50} kg
Front Axle (Loaded)	1,600 ^{±20} kg
Rear Axle (Loaded)	2,300 ^{±80} kg

TURNING RADIUS	
Internal - Left	5,100 ^{±200} mm
External – Right	7,600 ^{±200} mm



CABIN	
Type	Welded construction
	Glazed
	ROPS/FOPS certificate
Seat	2 seats + 8 people seating area
	Headrest and seatbelts
	Toyota brand
Steering	Steering wheel
Air Conditioning	Air fan as standard
Indicators, Meters	LCD screen
	Mass disconnecter
	Odometer
	Work hours



ENGINE	
Model	DEUTZ TCD 2.9 L4 HT
Power	55.4 kW@2,200 rpm
Max Torque	375 Nm@1,400rpm
Cylinder	In Line 4
Cooling System	Copper water radiator
Induction system	Dry filter with snorkel
Emission	Stage V (Euro 5)
Exhaust	DOC + DPF + Diffuser
Fuel Tank	90 Liters

AXLES	
Drive System	4x4 wheel drive
Brand	TOYOTA
Front Axle	
✓ Differential	Standard, wet
✓ Suspension	Hydraulic
Rear Axle	
✓ Differential	Standard, wet
✓ Suspension	Pneumatic

GEARBOX	
Brand	TOYOTA
Model	5-gears (front) 1-gear (rear)

ALLOWED WORKING CONDITIONS	
Ambient Temperature	Max +55°C
Longitudinal Inclination	15°
Transverse Inclination	8°
Min. Heading's Dimensions	width 4,200 mm height 2,100 mm



WHEELS	
Tire Type	Tubeless
Tire Size / Model *1	225 / 75 R16
Brand / Model	BF Goodrich Mud Terrain T/A KM2
Rim	Steel
Spare Wheel	as standard outfit

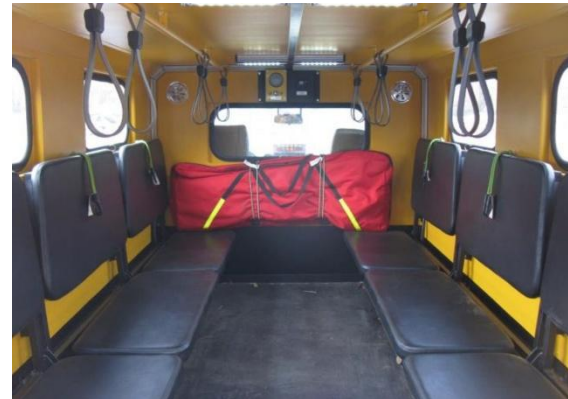
BRAKING SYSTEM	
Type	Hydraulic
Service Brake	Dry Ventilated disc
Emergency - Parking Brake	SAHR (Spring App. Hyd. Released) (at rear axle) Electrical control



FIRE SUPPRESSION SYSTEM	
Brand	KGHM ZANAM
Fire suppression system is manually activated	
Additional manual fire extinguisher cylinder	

VISION AND MONITORING	
Cameras*2	Option
LCD Monitors*3	Option

ELECTRICAL SYSTEM	
Alternator	12 V
Batteries*4	12V 65-70Ah Lead-acid battery
Lighting	Road and parking lights LED type
Additional Lights	Position light and direction blinkers Flash lamps
Protection Degree	IP-56 Excluding alternator ✓ Horns ✓ Electric motors ✓ Battery disconnecter
Acoustic Signals	Optical-acoustic back-up signaling device for emergency communication for people transported on the platform



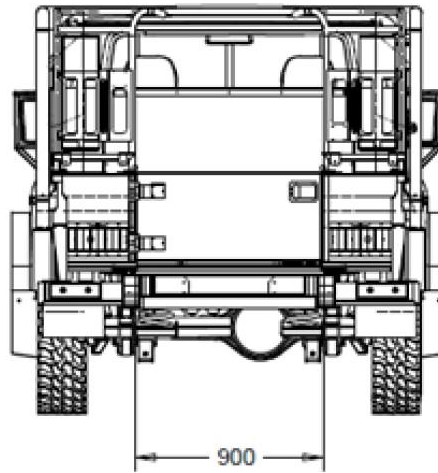
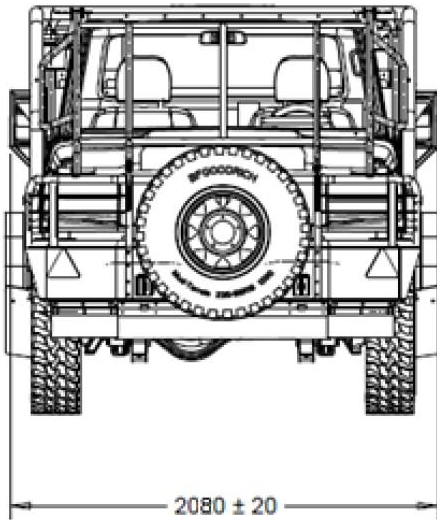
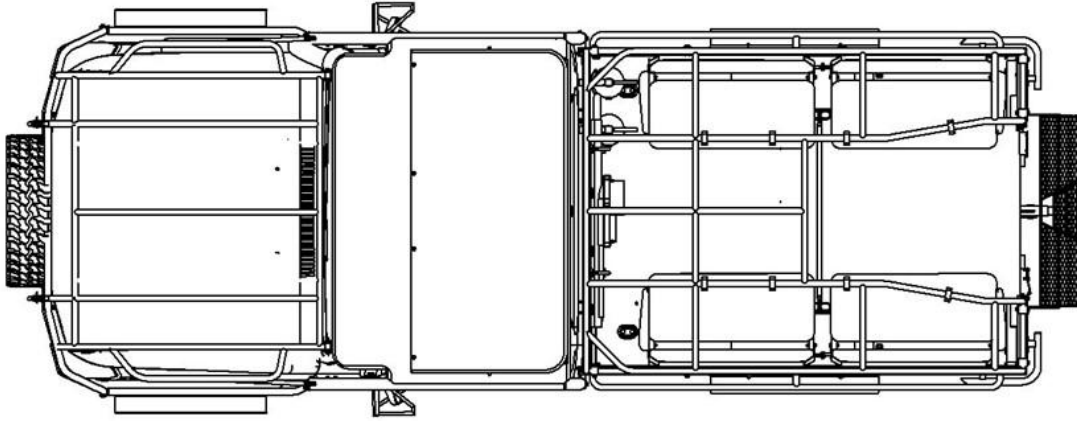
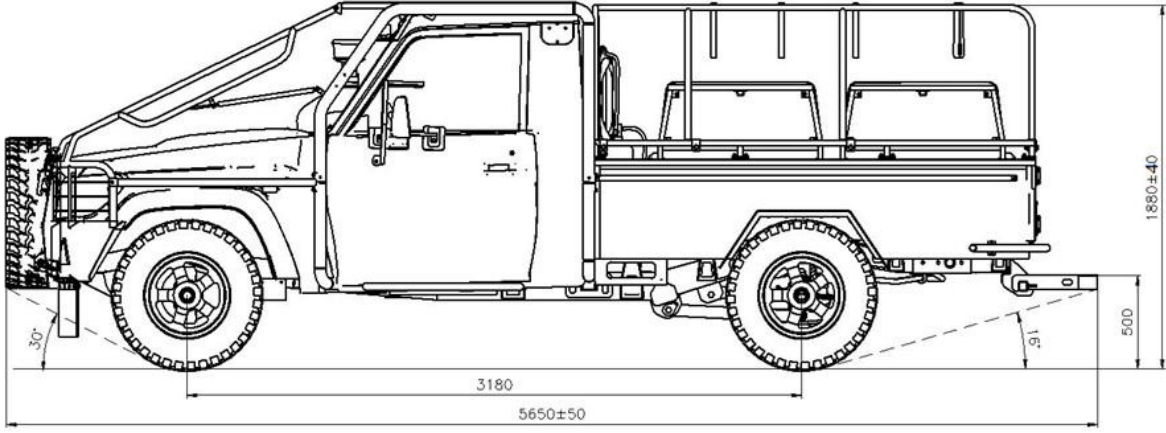
OPTIONS	
*1 Tire brand / type BF Goodrich 235/85 R16, All terrain T/A KM2, tube tire	
*2 Cameras 4 x cameras "Surround View" system, 360° vehicle vision monitoring, Bosch brand	
*3 LCD Monitors 1 x monitor in the operator's cabin, "Surround View" support	
Air Conditioning	

Additional equipment – on request

- ✓ Tow bar
- ✓ Wheel chocks
- ✓ Road signs
- ✓ Stands for road signs
- ✓ Powder extinguisher
- ✓ Stretcher with fixing
- ✓ Basket for emergency escape device

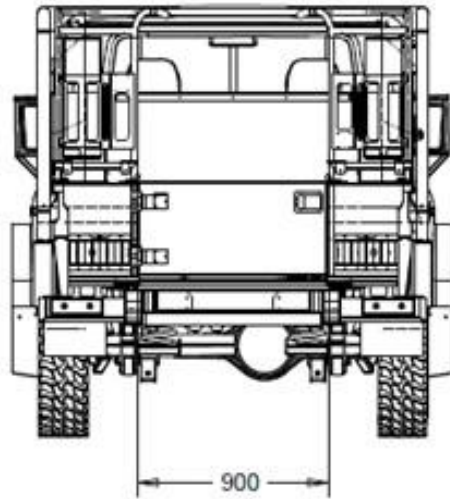
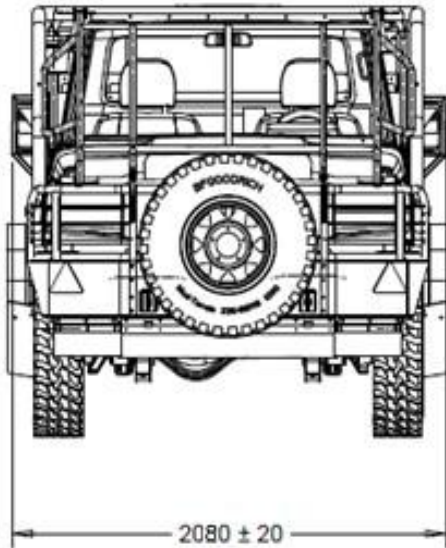
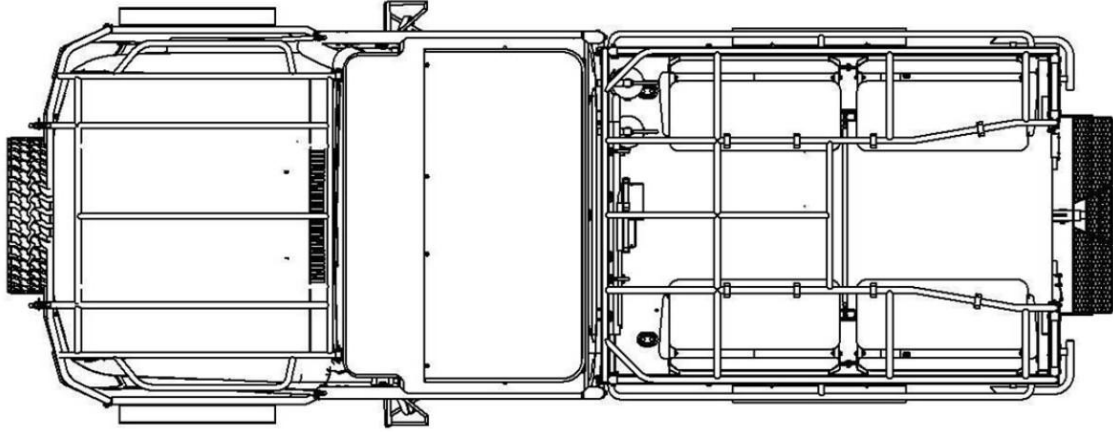
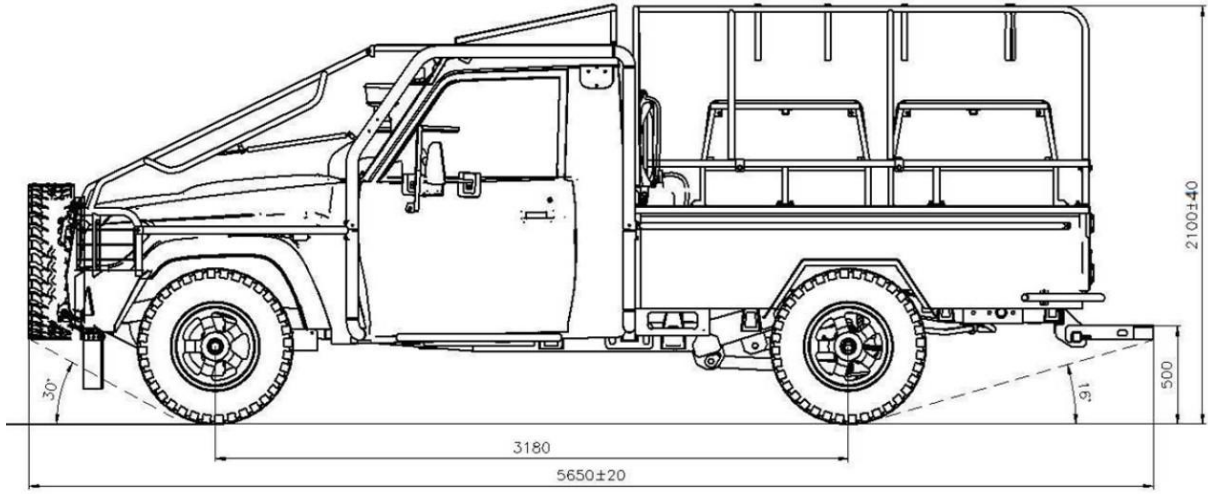
SWT ROBUST T10

Low profile version



SWT ROBUST T10

High profile version





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