

AXERA 6-226

UNDERGROUND DRILL RIG

TECHNICAL SPECIFICATION



APPLICATION

The Axera 6-226 is a compact two boom electro hydraulic jumbo for fast and accurate drilling in drifting and tunneling of 6 – 40 m² cross sections.

The hydraulic controlled drilling system with added automatic functions allows high drilling performance with good drill steel economy and high machine reliability.

The HLX5 rock drills deliver superior performance with high consumable life.

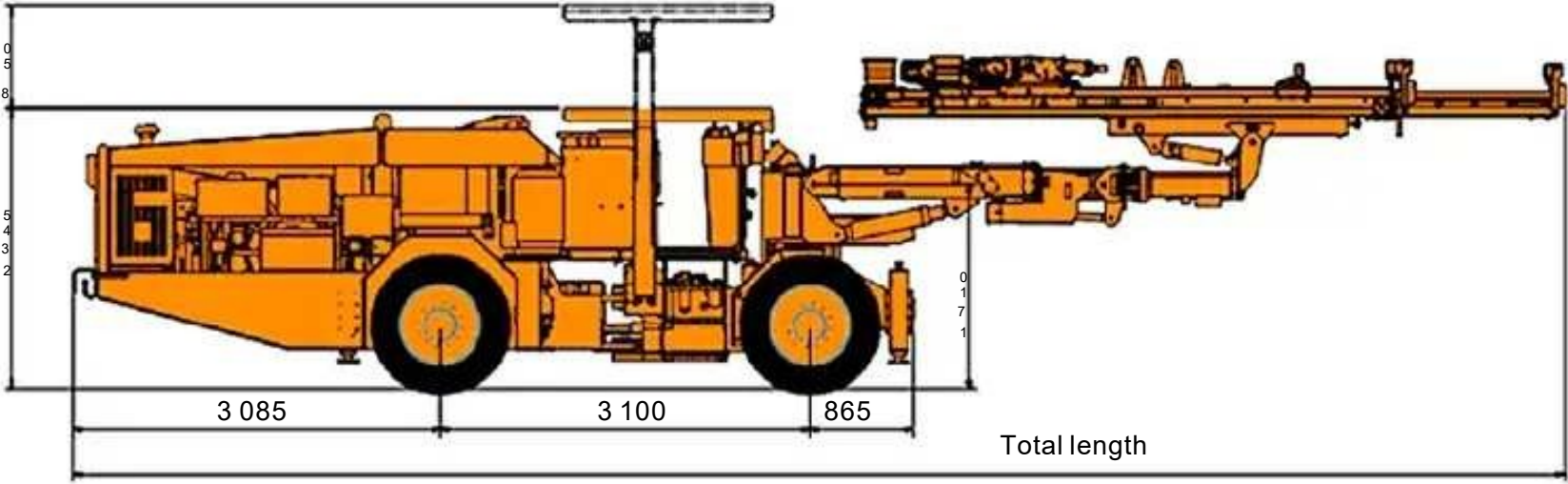
The B 26 F universal booms have a large optimum shaped coverage and full automatic parallelism. The booms can also be used for cross-cutting and bolt hole drilling.

The powerful 4-wheel-drive center articulated carrier ensures rapid and safe tramming with good balance.

MAIN SPECIFICATIONS

Carrier	1 x TC 6
Safety canopy	1 x FOPS (ISO 3449)
Rock drill	2 x HLX5
Feed	2 x TF 500-12
Boom	2 x B 26 F
Control panel	2 x THC 560
Powerpack	2 x HP 560 (55,0 kW)
Air compressor	1 x CT 10 (7,5 kW)
Shank lubricating device	1 x KVL 10-2
Water pump	1 x WBP 2 (4,0 kW)
Main switch	1 x MSE 20
Cable reel	1 x TCR 2
Length	12 520 mm
Width	1 900 mm
Height	
Canopy down	2 345 mm
Canopy up	3 195 mm
Tramming speed	
Horizontal	12,0 km/h
14 % = 1:7 = 8°	4,2 km/h
Gradeability	28 % = 1:3,5 = 15°
Noise level (EN 791, free field condition)	
Operator's platform	LpA = 102 dB
Emitted	LwA = 124 dB

GENERAL DIMENSIONS



Feed	Total length
TF 500-10'	12 400
TF 500-12'	12 520
TF 500-14'	13 250
TF 500-16'	13 500

TC 6 CARRIER

Diesel engine	Deutz BF4M 2012 74 kW (99 hp)
Transmission	Hydrostatic
Axles	CNH
Brakes	
Service	Hydraulically operated wet disc brakes
Parking and emergency	SAHR type, fail-safe wet disc brakes
Tyres	12.00 – 20 PR 20
Steering	Frame steering, Orbitrol
Articulation	± 37°
Rear oscillation	± 8°
Ground clearance	300 mm
Fuel tank	112 l
Hydraulic jacks	4 x TJ 40
Safety canopy	FOPS (ISO 3449)

HLX 5 ROCK DRILL

Weight	210 kg
Length	955 mm
Profile height	87 mm
Power class	20 kW
Max working pressure	
Percussion	225 bar
Rotation	175 bar
Max torque	
80 cm³ motor	400 Nm
Hole size	43 – 64 mm
Recommended steel	T38-H35-R32 T38-H35-alpha 330 T38-R39-R35
Shank adapter	7304-7585-01 (T38)
Flushing water pressure	10 – 20 bar

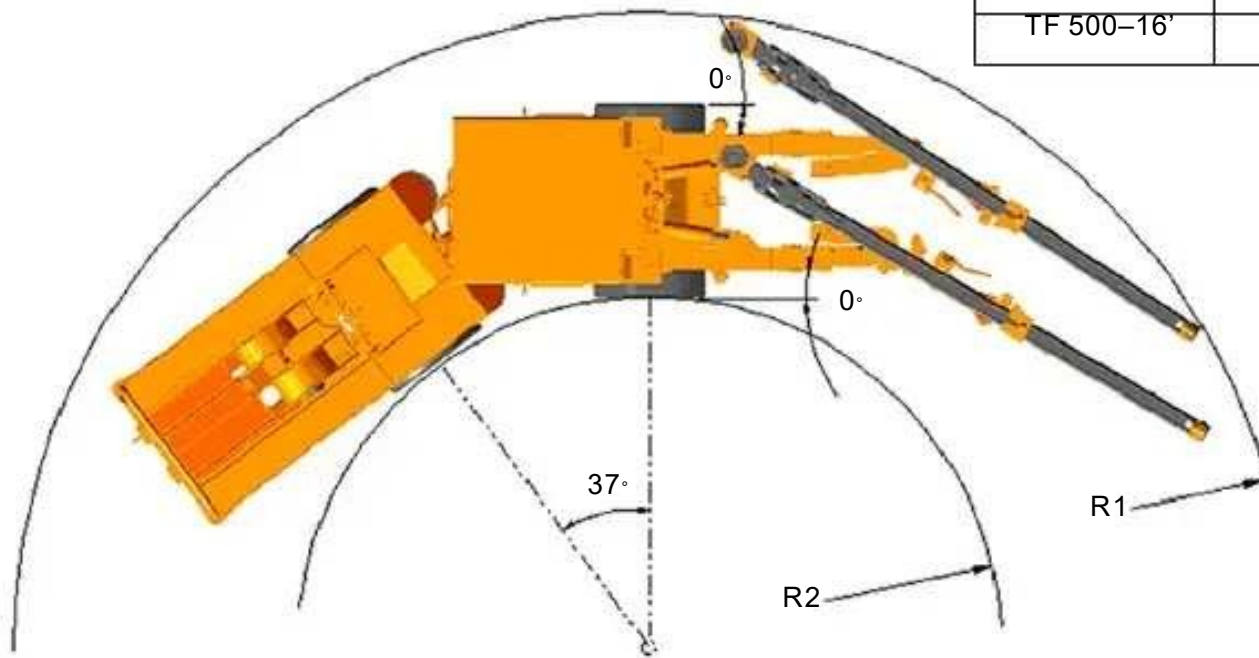
TF 500 FEED

Feed type	Cylinder – wire rope
Feed force	25 kN

FEED TF 500-	Total length (mm)	Hole length (mm)	Rod length (mm)	Net weight (kg)
10'	4 660	2 830	3 090	470
12'	5 270	3 440	3 700	500
14'	5 880	4 050	4 305	530
16'	6 490	4 660	4 915	560

TURNING RADIUS

FEED	R1	R2
TF 500-10'	6 400	3 575
TF 500-12'	6 550	3 575
TF 500-14'	6 700	3 575
TF 500-16'	6 850	3 575



B 26 F BOOM

Type	Parallel holding
Parallel coverage	36 m ²
Boom extension	1 200 mm
Feed extension	
With TF-feed	1 600 mm
Boom weight, net	1 900 kg
Rotation angle	360°

THC 560 CONTROL SYSTEM

Power control	Adjustable full power Adjustable collaring power
Rotation control	Adjustable rotation speed
Automatic functions	Collaring Feed controlled percussion Anti-jamming Flushing Stop and return
Boom controls	Fully proportional

HP 560 POWERPACK

Electric motor	1 x 55 kW 3-phase motor
Pump types	
Percussion, feed and boom	1 x 130 l/min variable displacement axial piston pump
Rotation	1 x 60 l/min gear pump
Filtration	
Pressure	1 x 20 micron
Return	1 x 12 micron
Oil tank volume	Max. 250 l, min. 100 l
Tank filling	1 x manual pump
Oil cooling	1 x OW 30 watercooler

AIR CIRCUIT

Compressor type	1 x CT 10 (7,5kW)
Capacity	1,0 m ³ /min, 7 bar
Shank lubricating device	1 x KVL 10-2
Air consumption	250 – 350 l/min / rock drill
Oil consumption	180 – 250 g/h / rock drill

WATER CIRCUIT

Water pump type	1 x WBP 2 (4,0 kW)
Capacity	100 l/min (15 bar)
Inlet pressure	With 5 bar inlet pressure
Inlet pressure control valve	2 – 7 bar (while drilling)

ELECTRICAL SYSTEM

Total input power	135 kW
Main switch	1 x MSE 20
Standard voltages	380 – 690 VAC
Voltage fluctuation	Max. ± 10 %
Lighting	
Working lights (24 VDC)	2 x 35 W (HID) front 2 x 70 W rear
Driving lights (24 VDC)	2 x 70 W front 4 x 70 W rear
Automatic cable reel	1 x TCR 2