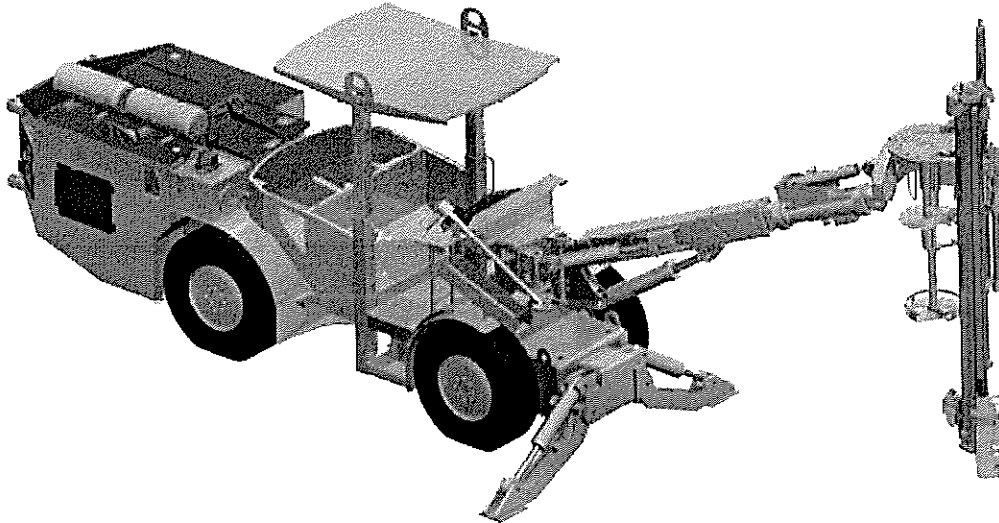


# ROBOLT 05-126



## APPLICATION

The Robolt 05-126 is a fully mechanized one-man operated electro-hydraulic compact bolting jumbo for rock reinforcement in underground mines with small and medium cross sections.

The operator environment, specified as the favourite by users for its high ergonomics level, allowed the operator to concentrate on safe, fast and efficient rock bolting.

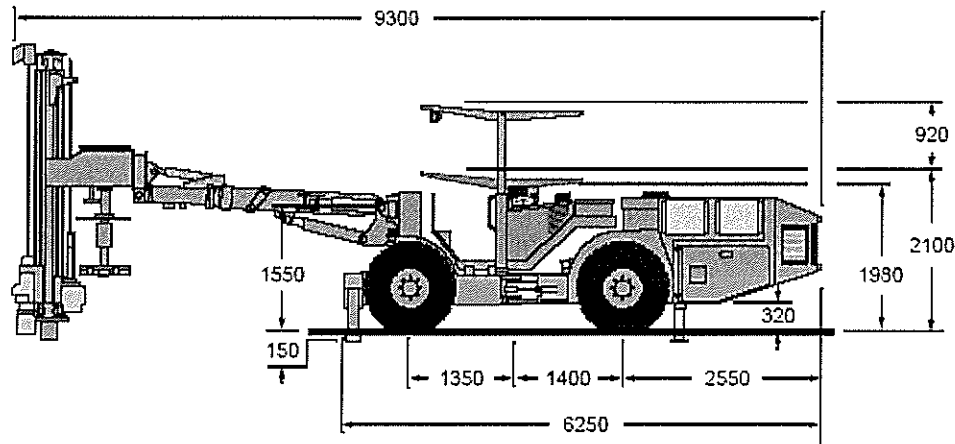
Acknowledged as the benchmark throughout the world by users, the universal bolting head is a digest of simplicity for increased efficiency.

The stiff and strong rectangular profile telescopic boom allows the installation of several rows of all the common bolt types or combinations lengths from 1.5 to 3.0 m in effective roof heights up to 6.6 m without moving the machine. The operator always works under secured area.

## MAIN SPECIFICATIONS

Carrier		1 x CB 05
Rock drill		1 x HYDRASTAR 200
Boom		1 x B 26 B
Bolting head		1 x TU-C
Length		10 000 mm
Width		1 750 mm
Height	roof down	2 100 mm
	roof up	3 020 mm
Turning radius		5 220 / 2 980 mm
Tramming speed	horizontal	12 kph
	13%=1:7=8°	5 kph
Gradeability		35 %
Noise level		< 98 dB(A)
Weight		13 000 kg

## GENERAL DIMENSIONS



All dimensions in mm

### ROCK DRILL

Model	Hydrastar 200
Standard female shank	R 25 - R 32
Weight	115 kg
Impact frequency	40 - 65 Hz
Percussion pressure	140 - 200 bar
Impact power	6 - 10 kW

### WRENCH

Model	RHR 50 series
Weight	40 kg
Oil pressure	210 bar
Maxi torque	32 mdaN

### BOLTING HEAD

Model	TU - C
Bolt length	1.5 to 3.0 m
Drill steel	H 22 till H 28
Bolt carousel capacity	9, 12 or 15 bolts <i>(depending on bolt used)</i>

### BOOM

Model	B 26 B
Type	Universal
Weight (with hoses)	1 330 kg
Feed roll-over	360°
Boom extension	1 200 mm

### BOLTING ALTERNATIVES

Resin cartridges	- R - injection system
Cement cartridges	- CC - injection system
Split Set	- S - installation system with HH 200 impactor
Swellex	- SW - installation system with water pressure intensifier

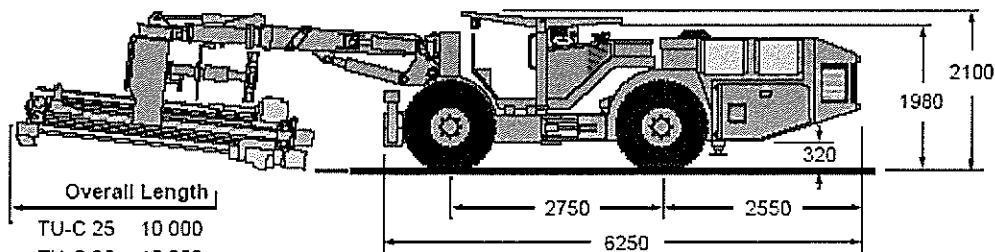
### HYDRAULIC CONTROL SYSTEM

Type	THC 560 B
Control functions	
- Power control	Adjustable full power Adjustable collaring power
- Rotation control	Adjustable rotation speed Reversible rotation
- Flushing control	Water flushing

### ELECTRO HYDRAULIC POWER PACK

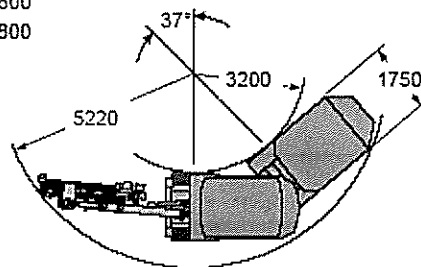
Electrical motor	45 kW (60hp)
Hydraulic pump types	
- Percussion, bolting head & boom	Axial piston variable displacement
- Rotation	Gear

### TRAMMING DIMENSIONS

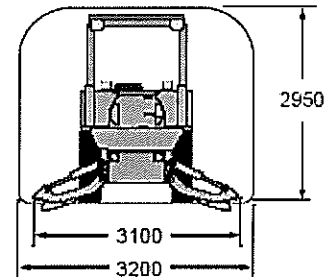


Overall Length	
TU-C 25	10 000
TU-C 26	10 200
TU-C 27	10 400
TU-C 28	10 600
TU-C 210	10 800

### TURNING RADIUS



### MINI OPERATING SECTION



All dimensions in mm

### CARRIER

Model	CB 05
Diesel engine	Deutz BF4L 2011, 55 kW (74hp)
- Exhaust	Catalyser
Automotive hydrostatic transmission	
Transfer case	Drop gear Clark-Hurth
Axles, Front & Rear	Case New Holland D45
- Oscillation	Rear axle, 2 x 6°
- Tyres	12.00 x 20
Steering	Frame steering, 2 x 37°
Brakes	
- Service	Hydrostatic transmission
- Emergency & parking	Hydraulic oil immersed multiple disc brakes on both axles
Stabilizers	2 outriggers, front 2 hydraulic jacks, rear
Safety canopy	Hydraulic, FOPS-ROPS
- Lowering capability	920 mm
Fuel tank	80 litre
Hydraulic tank	145 + 50 litre

### AIR CIRCUIT

Compressor	C.T. 10, screw type
- Capacity	1.0 m <sup>3</sup> at 7 bar
Electric motor	7.5 kW (10 hp)

### WATER CIRCUIT

Water booster pump	W.B.P. 2, centrifugal
- Capacity	4000 l/h at 15 bar
- Electric motor	4 kW (5.5 hp)
Oil cooler	OW 30, water-actuated counterflow
- Cooling capacity	30 kW

### ELECTRICAL SYSTEM

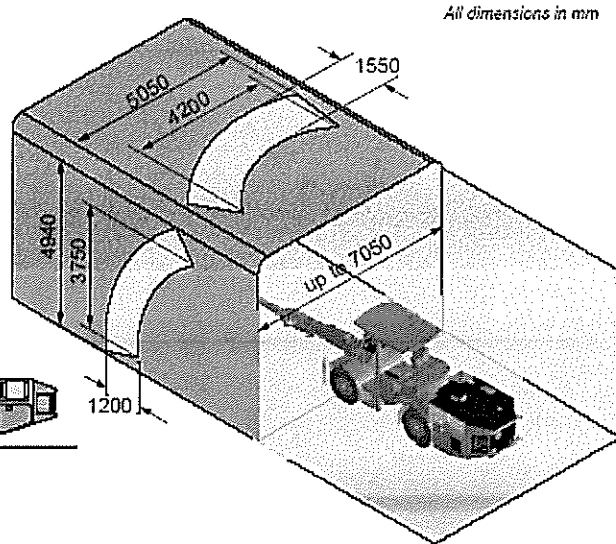
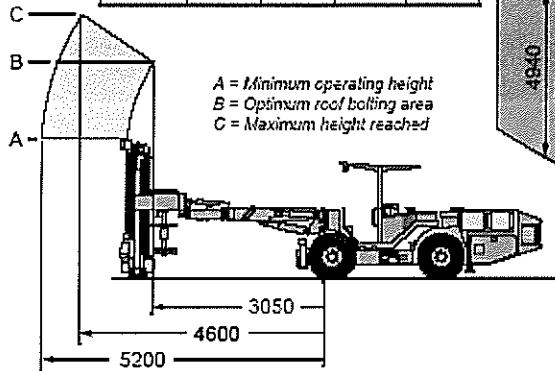
Total installed power	63 kW
High / Low voltage	Separate cabinets
Voltage	Standard 380 - 660 V Alternative 1 000 V
Frequency	50 or 60 Hz
Starting method	Star / Delta
Cable reel	CRC type
- Capacity	100 m of cable 32 mm O.D
Lighting	
- Working lights	2 x 150 W, 24 V
- Tramming lights	4 x 70 W, 24 V
<i>(the 2 front lights are also used as working lights)</i>	

### FULL DIESEL VERSION AVAILABLE

Water-cooled engine	Deutz BF4M 1012 C
- Max. rating at 2300 rpm	74 kW (100 hp)
Fuel tank capacity	240 litre
Compressor & water pump driven by hydraulic motors	
Total machine weight	12 500 kg

## BOLTING AREAS

Bolting Head	Bolt Length	A	B	C
TU-C 25	1500	2950	5050	5900
TU-C 26	1800	3250	5200	6050
TU-C 27	2100	3550	5350	6200
TU-C 28	2400	3850	5500	6400
TU-C 210	3000	4800	5900	6550



## OPTIONAL EQUIPMENT

### BOLTING SYSTEM

Bolt type systems and combinations :  
- CC (cement), R (resin), S (Split Set), SW (Swellex).  
High pressure washing system (recommended with CC system).  
Screen handler, for mechanization of screen installation.  
) Front clamping head on bolting head (allows to drill deeper holes. Not compatible with resin head).  
Bolt storage.

### BRAKES

Additional service brake on axles.  
Hand pump for manual brake release.

### ELECTRICAL SYSTEM

) 1 000 V electric power supply.  
Ground fault detector  
- not applicable to 1 000 V  
Electric cable  
- 380-480 V, 4 x 35 mm<sup>2</sup>, ø 36 mm, 80 m length  
- 480-575 V, 4 x 25 mm<sup>2</sup>, ø 32 mm, 100 m length  
- 680-690 V, 4 x 25 mm<sup>2</sup>, ø 32 mm, 80 m length, direct start  
) Allen Bradley electrics.

### CARRIER

Fume diluter.  
) Electric oil filling pump.  
Hydraulic low oil level indicator and switch.  
Complete spare wheel.  
) 4 Michelin X mine D2 instead of standard types.

### OTHER OPTIONAL EQUIPMENT

Fire suppression system Ansul, 6 nozzles.  
Reverse alarm.  
) EU, UL, CSA, AUS norms package + local standards and regulations.  
Automatic lubrication system (Lincoln) for both boom and carrier.  
Central lubrication system.  
High pressure water cleaning pump (w/o reel).  
Hook up for mine air network (IP5 air cleaner included).  
) Ni-Cr plated cylinder rods.  
Manuals other than French/English language.

) replaces standard component

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Sandvik Tamrock reserve the right to change this specification without further notice

SANDVIK TAMROCK SECOMA S.A., B.P. 48 - 89881 Meyzieu Cedex, France  
Tel. + 33 4 7245 2200 Fax + 33 4 7831 7960

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