



scaler

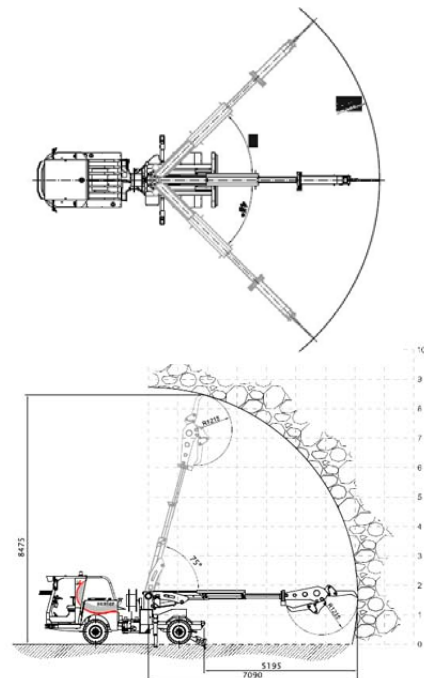




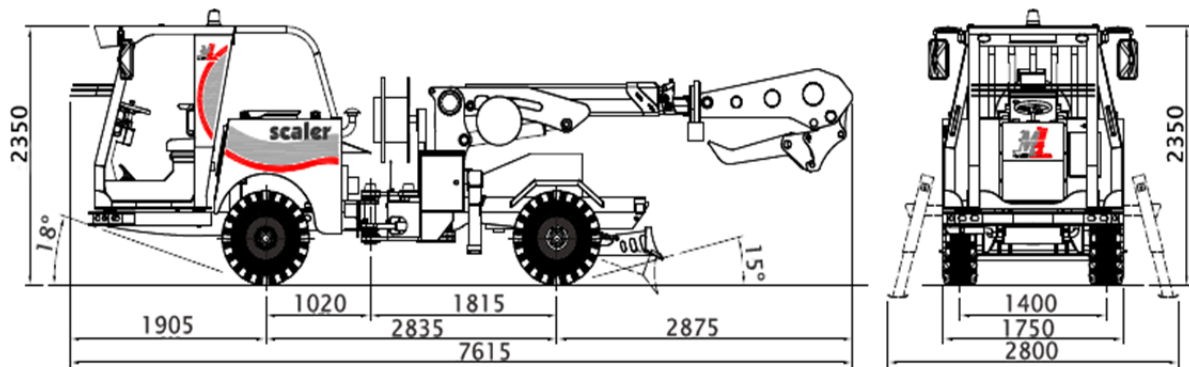
Our **Scaler** is the answer to the request of a strong multifunctional vehicle for low-profile tunnels which accomplishes all safety regulations. Its great mobility, small dimensions, working capacity, easy-to-use and the proven reliability of our equipment, give it unique features in the market, allowing it to work under the most extreme conditions, from extreme cold to tropical temperatures.

Both with the rock-breaker or the hydraulic hammer, you can clear away all rocks and other elements left loosen after explosions and which can injure or harm the workers.

The powerful engine allows it to work **without loss of power up to 5,000 MASL** and to overcome slopes up to 30% full load.



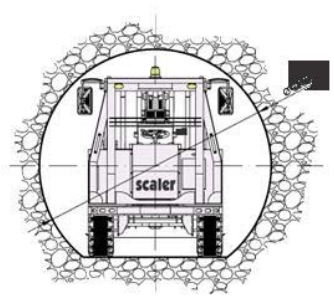
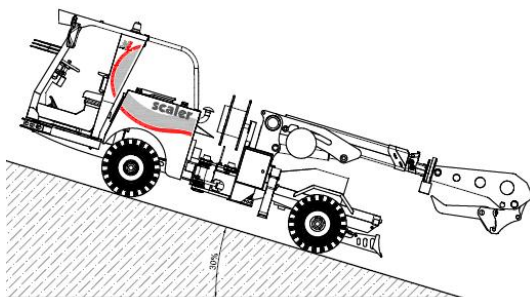
Scaler is equipped with all the elements to make easy a hard work: **Rotary driving place, quick-coupling interchangeable equipment. A full accessibility to high rotation components**, make its maintenance not a loss of time, but, using it properly, the reason for a long-lasting and reliable unit.



SMALL DIMENSIONS.

BIG FEATURES

The unit is prepared to respond in the worst conditions with the best and most advanced technological and safety features.



EASY TO TRANSPORT

In this global world, forwarding equipment in a fast and safe way has become a need and an obligatory feature. The unit has been designed for shipping two units in one only container, which can be delivered anywhere in the world.

Scaler is working in such different places as India, South Africa, Mexico, Canada, Peru... No need of more introductions; It is the answer to your requirements in in this type of equipment for low-profile tunneling and mining.



BRAND		MULTIMINING SCALER
MODEL		SCALER
DIESEL ENGINE	BRAND	DEUTZ
	MODEL	TD 2011 L04I
	COOLING	AIR-OIL
	STANDARD	TIER III (COM III)
	POWER	(74.5 CV) 54.7 KW / 2,600 R.P.M.
	TYPE	TURBO INTERCOOLER
ELECTRICAL ENGINE	BRAND	AEG
	POWER	(40 CV) 30 KW A 3.000 R.P.M.
	VOLTAGE	400 - 440 V / 50 / 60 HZ
	PROTECTION	IP 65
TRANSMISSION	TYPE	HYDROSTATIC
	GEARS	3 GEARS FORWARD AND REVERSE
HYDRAULIC CIRCUITS		AUTOMATIC REGULATION
		VARIABLE FLOW
	SHIT	HYDROSTATIC
	SERVICES	GEARS PUMP
AXLES		4 MOTOR-WHEEL
DRIVE		4-WHEELS
STEERING		HYDROSTATIC
		ON CENTRAL JOINT
CABIN		OPEN
		ROPS - FOPS
BRAKES	SERVICE	HYDRAULIC DISCS ON REAR MOTOR-WHEELS
	PARKING	NEGATIVE HYDRAULIC ACT. ON 4 MOTOR-WHEELS
DIMENSIONS		7,710mm *1,950mm *2,300mm
DRIVER'S SEAT		FIXED TRANSVERSE
STEERING RADIOS	INNER	4,650mm
	OUTTER	6,800mm
SPEED		0—20 KM/H ACCORDING TO SPANISH RULES
MAXIMUM SLOPE		30%
ELECTRICAL SYSTEM		2 BATTERIES 12V, 180 AH
TYRES		12 – 16,5 RIM 9,75 – 16,5
WEIGHT		6,000 KGS
HYADRAULIC OIL TANK		290 L
WATER TANK		90 L
FUEL TANK		195 L
WATER PUMP	HIGH PRESSURE WASHING	15 L/MIN FLOW
WORKING ARM	LENGHT	6,000mm
	HEAD	ROTATORY 360º
PROVIDED FROM FACTORY	ROCK-BREAKER	INTERCHANGABLE
	SCALING HAMMER	ATLAS COPCO SB - 152
	QUICK-COUPLING	YES
	BLADE	YES

Due to the constant process of improvement at factory, all data are subject to modification without prior notice, being merely illustrative all data in this catalogue.

MADRID: Ctra de Valencia, Km 19,200. 28524 RIVAS VACIAMADRID (MADRID). FAX: +34916701005. e-mail:madrid@mlorenzana.com

LEÓN: Pol. Ind. Villacedré. 24009 VILLACEDRÉ (LEÓN). FAX: +34987849036. e-mail:leon@mlorenzana.com

www.mlorenzana.com +34 902 151 236