

mini MACE



The mini MACE was developed as mobile penetration and cutting tool. A self-sufficient complete system with combustion engine, Abrasive Mixing Unit (AMU) and high-pressure pump for the development and deactivation of EOD (Explosive Ordnance Disposal) and IEDD (Improved Explosive Device Disposal).



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GENERAL INFORMATION

Maximum pressure	450 bar (6,525 PSI)
Pressure vessel	3.5 l (0.95 US gallon) volume brutto, 5 kg (11 lb) abrasive capacity, carbon-fibre forced electric, optional with remote control
Operation pressure valves	
Weight	100 kg (220.5 lb) empty
Seize (L x W x H)	720 mm x 600 mm x 700 mm (28.35 x 23.62 x 27.56 in) (without hopper)
Water tank	25 l (6.61 US gallon) netto
Safety devices	Safety valve / rupture disc assembly



OPERATION PARAMETER

Nozzle size	0.5 mm (0.02 in)	Cutting performance	5 mm (0.2 in)	135 mm (5.31 in) /min
Maximum working pressure	450 bar (6,525 PSI)	in air for steel S235	10 mm (0.4 in)	65 mm (2.56 in) /min
Water flow	3.2 l (0.85 US gallon) /min		25 mm (0.98 in)	14 mm (0.55 in) /min
Hydraulic power at the nozzle	2.4 kW			
Abrasive	Granat, mesh 120			
Abrasive concentration	10 % (mass)			
Cutting time with one filling abrasive	16 min			



CONNECTIONS

Suspension outlet	Quick-release-coupling
Electric power	12 V battery 13 Ah
Water inlet	1/2" quick-release-coupling, max. 6 bar



HIGH-PRESSURE PUMP

Plunger pump	3 plungers - 500 bar (7,252 PSI)
Engine	Petrol engine, electric starter, 4.1 kW
Medium	Water

AMU < 700 bar