



Roller-bit Hole Drilling Rig

- High axial pressure, high torque, high rotation speed and large hole diameter provide superior production efficiency for your mining operation.
- The dual power system of motor and diesel engine and optional air compressor with high/low pressure or low air pressure are efficient, energy-saving and eco-friendly.
- The constant-power variable electro-hydraulic proportional control system is used to adjust the operation parameters automatically according to the rock stratum.
- Three-point floating leveling chassis and high-strength truss drill frame are equipped to offer high reliability.
- Two rock drilling modes (roller bit rotation and down-the-hole impact) offer good adaptability to working conditions and wide adaptability to rock strata.

SUNWARD Down-the-hole Drilling Rigs SWDRT250

www.wme.cn/sunward-swdrt250/

Item		SWDRT200B				SWDRT250B		SWDRT250			SWDRT200E		SWDRT270E		SWDRT270EH	
Drilling method	-	DTH/Rotary				Rotary		DTH/Rotary			Rotary		Rotary		Rotary	
Type of power	-	Diesel				Diesel		Diesel			Electric		Electric		Electric	
Dust collector	-	Dry (standard) water mist (optional)														
Main parameters																
Rotary hole diameter	mm	171-216				200-250		200-250			171-216		200-270		200-270	
DTH hole diameter	mm	165				-		165-200			-		-		-	
Maximum hole depth	m	45				48		48			45		48		19	
Drilling angle(Optional)	°	60-90				60-90		60-90			60-90		60-90		90	
Rock hardness	-	f4-f20				f4-f20		f4-f20			f4-f20		f4-f20		f4-f20	
Tube diameter	mm	140、159、178				159、178、194、203		133、159、178、194			140、159、178		159、178、194、219		159、178、194、219	
Tube length	m	9.14m×5				10m×5		10m×5			9.14m×5		10m×5		10m×2	
Air compressor																
Working pressure	bar	24	8	24	8	8		7	25	20	8		5	8	5	8
FAD	m³/min	34.6	32	34.6	32	43		38	36.5	31.1	32		50	53.8	50	53.8
Power	kW	-	-	-	-	-		264	410	372	220		250	310	250	310
Power group																
Brand	-	CUMMINS		CAT		CAT		CUMMINS			-		-		-	
Model	-	QSM15CS3-755C		C15		C18		QSM11-C400			-		-		-	
Power rating	kW/rpm	563/2100		403/2100		571/2100		298/2100			-		-		-	
Fuel tank volume	L	1200				1800		1500			-		-		-	
Motor power	kW/V	-				-		-			160/380		160/380		160/380	
Feed system																
Drill frame length	m	15				15		15			15		15		25	
Feed length	m	11.6				11.6		11.6			11.6		11.6		21.5	
Feed rate	m/min	35				30		34			35		30		30	
Feed force	kN	135				220		220			135		350		350	
Maximum bit load	kN	165				270		270			165		400		400	
Retract speed	m/min	70				60		65			70		60		30	
Carrier																
Tramming speed	km/h	3				2		2			3.2		1.5		1.5	
Gradeability	°	≤20				≤20		≤20			≤20		≤20		≤20	
Ground pressure	kPa	≤80				≤95		≤100			≤86		≤106		≤112	
Rotary head																
Rotation speed	rpm	0-160				0-160		0-160			0-160		0-150		0-150	
Torque	kNm	8				11.8		11.8			8		13.8		13.8	
Power	kW	90				90		90			90		90		90	
Dimension																
Weight	kg	40000				65000		65000			45000		90000		96000	
L × W × H (work)	m	15×5.5×6				16.5×5.9×6.6		17×5.8×7			15×5.5×6		17×6.6×7		27.5×6.6×7.8	
L × W × H (Transportation)	m	10×5.5×15.3				11.5×5.9×17		11.5×5.8×17.5			10.5×5.5×15.3		14.5×6.6×17.5		14.5×6.6×27.7	