

CHTOOLS® 创恒®
专 注 孔 加 工 技 术

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www.ch-tools.com



CHTOOLS
magnetic drill machine

Makes drilling easier

www.ch-tools.com

浙江欣兴工具股份有限公司
ZHEJIANG XINXING TOOLS CO.,LTD.

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浙江欣兴工具股份有限公司
ZHEJIANG XINXING TOOLS CO.,LTD.

浙江欣兴工具股份有限公司创立于1992年，坐落在美丽的海盐南北湖畔，是一家专注于孔加工技术的高新技术企业。公司创办三十年来，秉承“利其器”理念，树立为制造业提供高效精密切削刀具的使命，始终如一的实施创新发展战略，深耕切削刀具技术，提升切削生产力。

三十年的积累，我们配备了国际领先的研发、检测装备，具备大批量专业化生产数控刀具的生产线，成为了研发、生产、销售为一体的高性能数控刀具制造商。三十年的精耕细作，公司拥有自主技术专利100余项，主导起草《钢板钻》、《内冷却可换刀片式铲钻》行业标准，获得了“国家制造业单项冠军示范企业”等荣誉，得到了来自80多个国家客户的紧密合作。

未来，我们秉承“创新发展，合作共赢”理念，贯彻“提供高效精密切削刀具”这一使命，继续专注于高效切削技术的研究，力求成为您更值得信赖的刀具制造品牌。

Zhejiang Xinxing Tools Co., Ltd., was founded in 1992, is a high-tech enterprise focusing on hole processing technology which located near the beautiful Nanbei Lake. Since its founding 30 years ago, the company has set up the mission of providing manufacturing industry with high efficiency & precision cutting tools, consistently implement the innovative development strategy, deeply cultivate the productivity of cutting tools and technology improvement.

Thirty years of accumulation, we are equipped with international leading R & D and testing equipment , established a production line for large number of professional CNC tools, become a high performance CNC tool manufacturer combined with R & D, production and sales .With 30 years of efforts, the company has more than 100 patents, leading the industry standards drafting of 《ANNULAR CUTTER》, 《Internal cooling replaceable inserts spade drill》, Won the “national manufacturing industry individual champion demonstration enterprise” and other honors, It has been closely cooperated with customers from more than 80 countries.

In the future, we will adhering to “the concept of innovative development, win-win cooperation”, we carry out the mission of “providing efficient precision cutting tools”, continue to focus on the research of efficient cutting technology, and strive to become a more reliable tool manufacturing brand of you.



MARKING INSTRUCTION 标识说明



材质 TOOL MATERIALS	mincro grain	超细颗粒 MINCRO GRAIN	HSS PM	粉末高速钢 POWDER MERALLURGY HSS
	Carbide	硬质合金 TUNGSTEN CARBIDE	HSS-CO	含钴高速钢 COBALT HSS
	HSS	高速钢 HSS	HSS E	高性能高速钢 HIGH PERFORMANCE
表面处理 SURFACE TREATMENT	PVD	PVD涂层 PVD COATING	Black oxide	黑色氧化 BLACK OXIDE
切深 DEPTH OF CUT		切深 2mm DOC 2mm		切深 5/64" DOC 5/64"
		切深 4.5mm DOC 4.5mm		切深 1/2" DOC 1/2"
		切深 13mm DOC 13mm		切深 1-3/8" DOC 1-3/8"
		切深 20mm DOC 20mm		切深 1" DOC 1"
		切深 25mm DOC 25mm		切深 2" DOC 2"
		切深 35mm DOC 35mm		切深 3" DOC 3"
		切深 40mm DOC 40mm		切深 4" DOC 4"
		切深 50mm DOC 50mm		切深 6" DOC 6"
		切深 75mm DOC 75mm		满足钻削圆管的直径 MEET THE DIAMETER OF DEILLING ROUND PIPE
		切深 100mm DOC 100mm	3×D	三倍径 TRIPLIOD DIAMETER
		切深 150mm DOC 150mm	5×D	五倍径 QUINTUPLE DIAMETER
		切深 3/16" DOC 3/16"	8×D	八倍径 OCTUPLE DIAMETER
柄型 SHANK TYPE		通用柄 UNIVERSAL SHANK		套式柄 SLEEVE SHANK
		直角柄 WELDON SHANK		莫氏锥柄 ISO 296 MORSE TAPER SHANK ISO296
		Φ18 快换柄 Φ18 QUICK CHANGE SHANK		侧固柄 ISO 9766 HELICAL FLUTE HOLDER WITH ONE FLAT SHANK ISO 9766
		Φ25 快换柄 Φ25 QUICK CHANGE SHANK		三角柄 TRIANGLE SHANK
		螺纹柄 THREAD SHANK		圆柱柄 CYLINDRICAL SHANK
		圆销柄 ROUND SHANK		六角柄 HEXAGONAL SHANK
		削平柄 J-TYPE WELDON SHANK		圆柱孔柄 CYLINDRICAL HOLE

刀具外形
TOOL SHAPE

	Φ12.7 削平柄 Φ12.7 J-TYPE WELDON SHANK		SDS柄 SDS SHANK
	单孔直角柄 WELDON SHANK+1 ADDITIONAL HOLE		
	螺旋角度 HELIX ANGLE		直槽刀杆 STRAIGHT GROOVE TOOL HOLDER
	钻尖角度 90° DRILL POINT ANGLE 90°		台阶钻螺旋槽 STEP DRILL SPIRAL GROOVE
	钻尖角度 140° DRILL POINT ANGLE 140°		台阶钻直槽 STEP DRILL STRAIGHT GROOVE
	钻尖角度 130° DRILL POINT ANGLE 130°		伞形钻螺旋槽 CONICAL DRILL SPIRAL GROOVE
	三层环状切削 THREE LAYER ANNULAR CUTTING		伞形钻直槽 CONICAL DRILLING STRAIGHT GROOVE
	二层环状切削 TWO LAYER ANNULAR CUTTING		台阶钻钻尖 STEP DRILL POINT
	渐开型排屑槽 INVOLUTE CHIP CHUTE		内部中空 INNER HOLLOW
	三刃 THREE BLADES		内部实心 INNER SOLID
	螺旋槽刀杆 HELICAL GROOVE TOOL HOLDER		多刃深孔钻 MULTI BLADE DEEP HOLE DRILL

刀具应用
TOOL APPLICATIONS

HSC	高速切削 HIGE SPEED CUTTING		磁座钻 MAGNETIC DRILL MACHINE
HPC	高性能切削 HIGE PERFORMANCE CUTTING		钢轨 RAIL
	双螺旋孔中心出水 DOUBLE SPIRAL INTERNAL COOLING		90° 90°
	双直孔中心出水 DOUBLE STRAIGHT INTERNALLY COOLING		120° 120°
	手枪钻 ELECTRIC HAND DRILL		60° 60°
	台钻 BENCH DRILL		82° 82°

参照标准
REFERENCE STANDARDS

DIN 6537	参照DIN 6537标准 REFER TO DIN-6537 STANDARD	DIN 335-C	参照DIN 335-C标准 REFERS TO DIN-335-C STANDARD
DIN 6535-HA	柄部参照DIN 6535HA标准 SHANKS REFER TO DIN-6537 STANDARD	DIN 335-D	参照DIN 335-D标准 REFERS TO DIN-335-D STANDARD

其它
OTHERS

	磨加工面 GRINDING SURFACE	IT9	孔精度 HOLE ACCURACY
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MAGNETIC DRILLING MACHINES

磁座钻机

PRODUCT LIST 产品目录

CHTOOLS 创恒

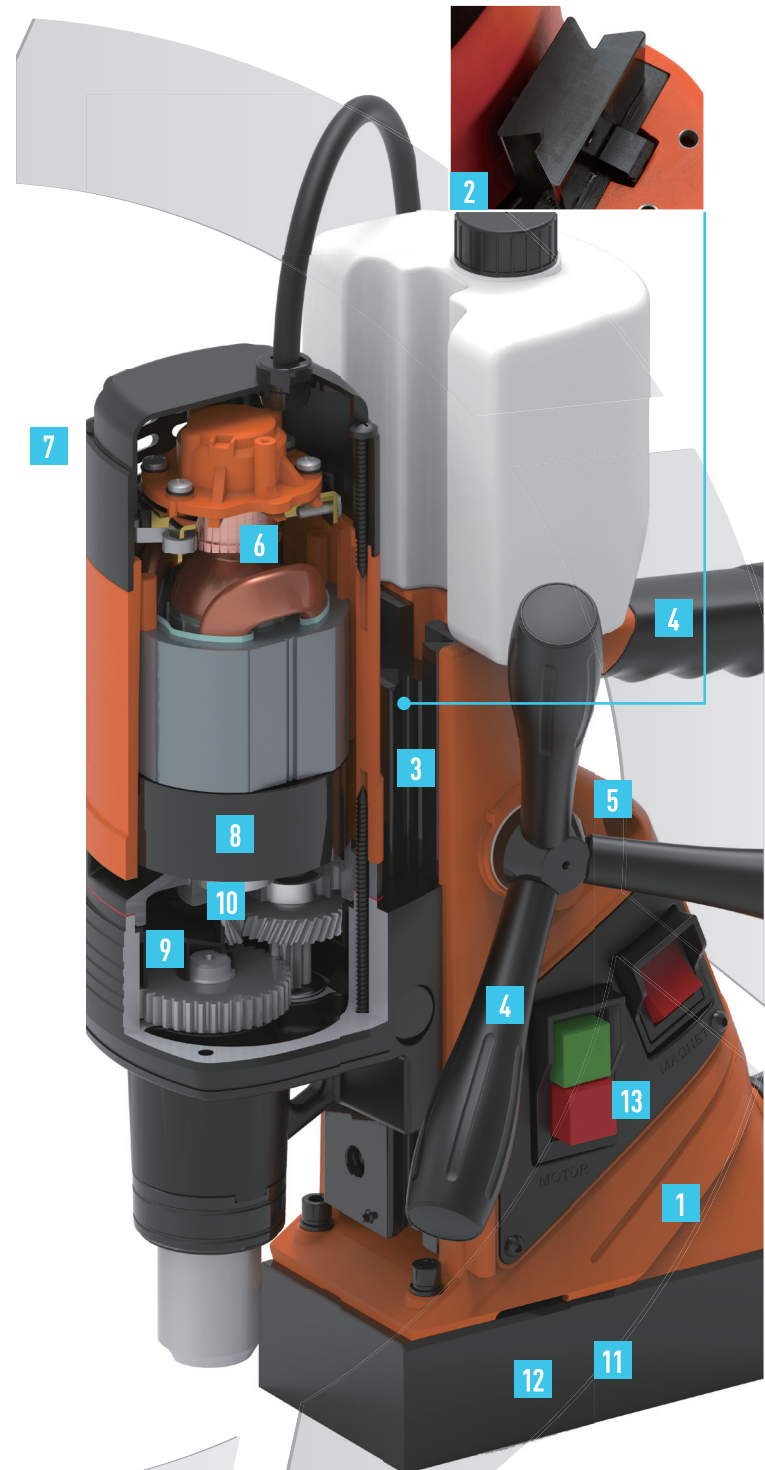
专 注 孔 加 工 技 术

Makes drilling easier

参数 PARAMETERS														功能 FUNCTION														页码 PAGE				
钻机 型号 MODEL	电压	额定 功率	额定 转速	主轴接 口类型	滑板 行程	钢板钻最大 钻孔直径 THE MAX DRILLING DIAMETER OF ANNULAR CUTTER			麻花钻 最大钻孔 直径 THE MAX DRILLING DIAMETER OF TWIST DRILL mm	最大 攻丝 规格 MAX TAPPING DIA	磁座 吸力	磁座 尺寸	整机 重量	整机尺寸	磁座 半吸	吸力 指示	电机 缓启 动	过流 保护	滑板 锁止	齿轮 换挡	齿轮 过扭 保护	正反 转	电子 调速	自动 进给	进给 电子 调速	进给 过流 保护	钻穿 复位		进给 点动	机身 微调	照明	激光 定位
	AC	POWER	RATED SPEED	SPINDLE INTERFACE TYPE	STROKE						MAGNETIC SUCTION	MAGNETIC BASE SIZE	OVERALL WEIGHT	THE OVERALL MACHINE SIZE	MAGNET- IC BASE SEMI-SU CTION	SUCTION FORCE INDICA- TION	MOTOR SLOW START	OVER- CURRENT PROTEC- TION	SLIDING PLATE LOCK- ING	GEAR SHIFT	GEAR OVER-TO RSION- PROTEC- TION	FORWARD AND REVERSE ROTATION	ELEC- TRONIC SPEED CONTROL	AUTO- MATIC FEED	FEED ELEC- TRONIC SPEED CONTROL	FEED OVERCUR- RENT PROTEC- TION	DRILL THROUGH RESET		FEED POINT MOVE- MENT	BODY FINE ADJUST- MENT	ILLUMI- NATION	LASER POSI- TIONING
	V	W	rpm	mm	mm	DOC mm	TCT mm	HSS mm			N	mm	kg	mm																		
DX-35	220~240	1100	450	ø19.05	120	50	ø35	ø35	ø13	---	10000	167*84*44	10.5	304×181×330(530)	√				√													P06
	110~127	1100	450	ø19.05	120	50	ø35	ø35	ø13	---	10000	167*84*44	10.5	304×181×330(530)	√				√													P06
DX-H35	220~240	1100	450	ø19.05	63	50	ø35	ø35	ø13	---	9000	167*84*44	11.5	356×139×260	√														√	√	√	P09
	110~127	1100	450	ø19.05	63	50	ø35	ø35	ø13	---	9000	167*84*44	11.5	356×139×260	√														√	√	√	P09
DX-H35S	220~240	1100	450	ø19.05	63	50	ø35	ø35	ø13	---	9000	167*84*44	11.8	356×139×260	√			√						√		√	√	√	√	√	√	P10
	110~127	1100	450	ø19.05	63	50	ø35	ø35	ø13	---	9000	167*84*44	11.8	356×139×260	√			√						√		√	√	√	√	√	√	P10
DX-60	220~240	1500	450/250	MT3	170	75	ø60	ø50	ø31.5	---	15000	210*100*45	19	375×230×430(715)	√	√	√	√	√	√	√											P12
	110~127	1500	450/250	MT3	170	75	ø60	ø50	ø31.5	---	15000	210*100*45	19	375×230×430(715)	√	√	√	√	√	√	√											P12
DX-60X	220~240	1500	450/250	MT3	170	75	ø60	ø50	ø31.5	M16	15000	210*100*45	19	375×230×430(715)	√	√	√	√	√	√	√	√	√									P13
	110~127	1500	450/250	MT3	170	75	ø60	ø50	ø31.5	M16	15000	210*100*45	19	375×230×430(715)	√	√	√	√	√	√	√	√	√									P13
DX-60S	220~240	1500	450/250	MT3	170	75	ø60	ø50	ø31.5	---	15000	210*100*45	19.5	375×245×430(715)	√	√	√	√		√	√			√	√	√						P14
	110~127	1500	450/250	MT3	170	75	ø60	ø50	ø31.5	---	15000	210*100*45	19.5	375×245×430(715)	√	√	√	√		√	√			√	√	√						P14
DX-120	220~240	2500	80/125/ 175/300	MT4	220	100	ø120	ø65	ø42	---	20000	280*115*56.5	36.5	522×248×555(830)	√	√	√	√	√	√	√											P16
DX-120X	220~240	2500	80/125/ 175/300	MT4	220	100	ø120	ø65	ø42	M33	20000	280*115*56.5	36.5	522×248×555(830)	√	√	√	√	√	√	√	√	√									P17
	110~127	2500	80/125/ 175/300	MT4	220	100	ø120	ø65	ø42	M33	20000	280*115*56.5	36.5	522×248×555(830)	√	√	√	√	√	√	√	√	√									P17
DR-35	220~240	1100	450	ø19.05	120	50	—	—	—	—	—	—	13.5	305×199×418(633)																		P20
	110~127	1100	450	ø19.05	120	50	—	—	—	—	—	—	13.5	305×199×418(633)																		P20

35 SERIES 35 SERIES MAGNETIC DRILLING MACHINE

35系列磁座钻机



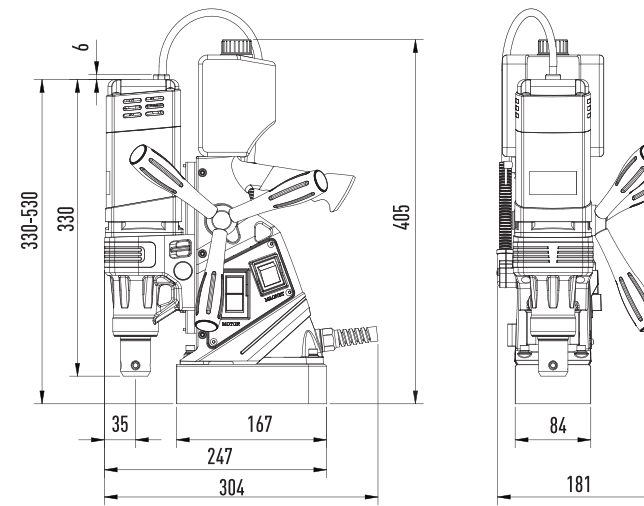
- 1 整体式机身结构, 兼顾刚性与美观
Integral fuselage structure, balanced rigidity and aesthetics
- 2 双燕尾滑板结构, 电机部位可调, 满足更多高度需求
Double dovetail skateboard structure, the motor is adjustable to meet more requirements for heights
- 3 导轨与滑板轻量化设计与表面硬化处理, 出色的耐用度
Lightweight design of the rails and skateboards, surface-hardening treatment, excellent durability
- 4 手柄、提柄人体工学设计, 减缓操作疲劳
Hands are ergonomically designed to reduce operating fatigue
- 5 保险绳孔、吊装孔, 力求安全方便
Safety rope hole, hoisting hole, are strive for be safe and convenience
- 6 36片换向器电机, 运行平稳
36 pieces of commutator motor, running smoothly
- 7 进风口倾斜防护设计, 可避免液体或杂物落入电机内
The inclined protection design of the air inlet to avoids liquid or debris falling into the inside of the motor
- 8 专用风叶, 大出风量, 高效散热
Dedicated fan blades, large air output, efficient heat dissipation
- 9 齿轮箱内置导油器, 改善高位齿轮的润滑效果
Gear box built-in oil guide to improve the lubrication effect of priority gears
- 10 高速齿轮7级精度, 降噪音, 长寿命
High-speed gear with 7-level precision, noise reduction and long life
- 11 高穿透磁座吸力, 更可靠的吸附力
High penetration magnetic base suction, more reliable adsorption force
- 12 磁座待机半波模式, 更耐用更安全
Magnetic base stand-by half-wave mode, more durable and safer
- 13 防水型电磁开关, 具有停电和欠电压保护功能
Waterproof electromagnetic switch, with the power failure and undervoltage protection function

DX-35 MAGNETIC DRILLING MACHINE

磁座钻机

- 重量轻, 操作便捷, 应用广泛
- 高功率, 高效钻孔
- 专利结构, 高精度制造工艺, 使用寿命长

- Light and convenient operation, widely used.
- High power and drilling efficiency.
- Patented structure, high-precision manufacturing process with long service life.



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1100W	钢板钻孔直径 THE DIAMETER RANGE OF ANNULAR CUTTER	≤φ35mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	10000N	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤50mm		
行程 STROKE	120mm	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤φ13mm		
主轴可调高度 MAINSHAFT ADJUSTABLE HEIGHT	95mm	攻丝规格 TAPPING SPECIFICATIONS	—		
主轴接口类型 SPINDLE INTERFACE TYPE	φ19.05mm	重量 WEIGHT	10.5KG		
磁座尺寸 MAGNETIC BASE SIZE	167*84*44mm	额定转速 RATED SPEED	450rpm		
外形尺寸 MACHINE SIZE	304*181*330(530)mm				
最小钢板厚度 THE MIN PROCESSING THICKNESS	10mm				

主要配件: 冷却壶 / 扳手 / 安全带等。MAIN ACCESSORIES: COOLING POT / WRENCH / SAFETY STRAP, ETC.

AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

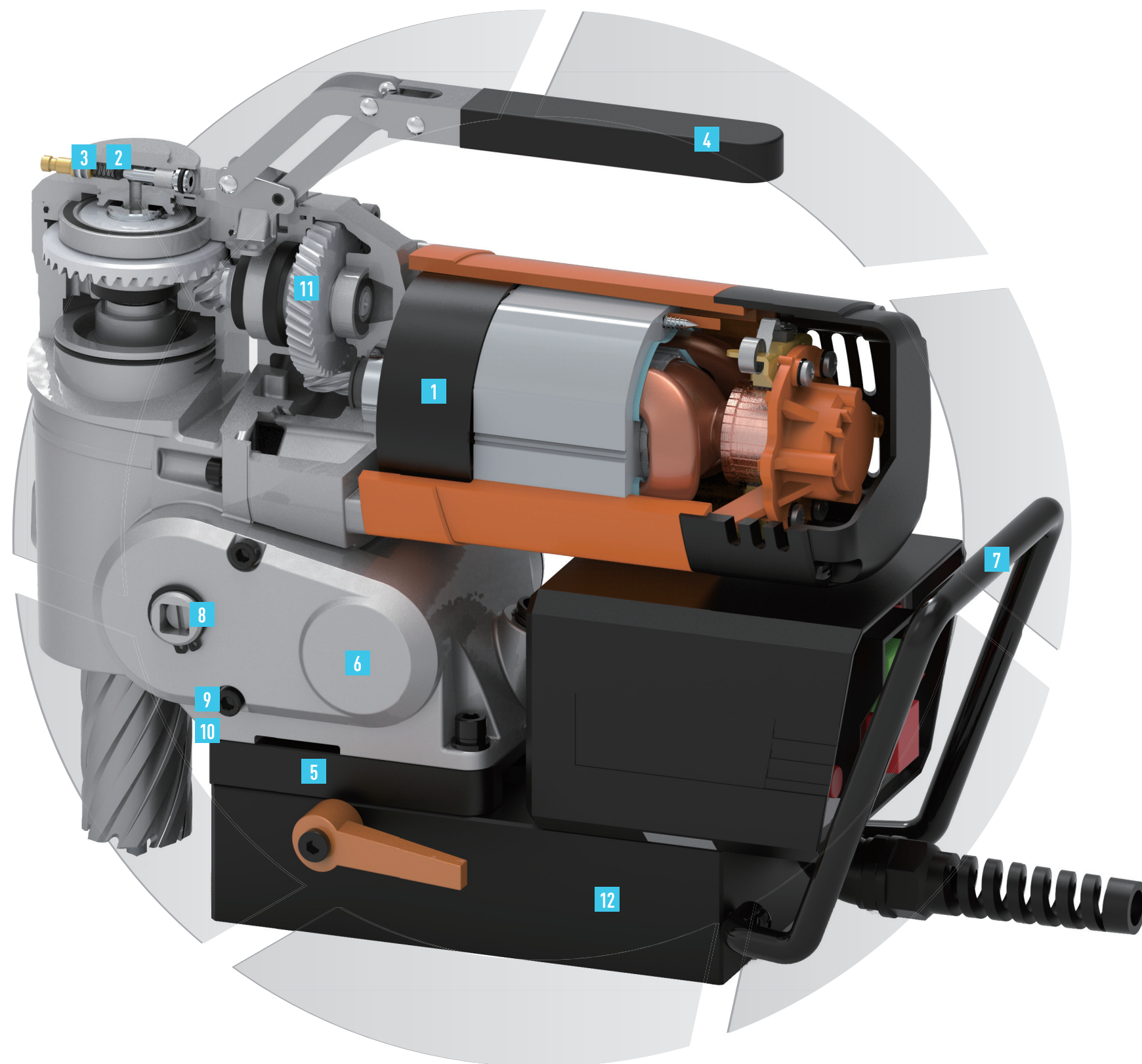
可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

35 SERIES 35 SERIES HORIZONTAL MAGNETIC DRILLING MACHINE

35系列卧式磁座钻机

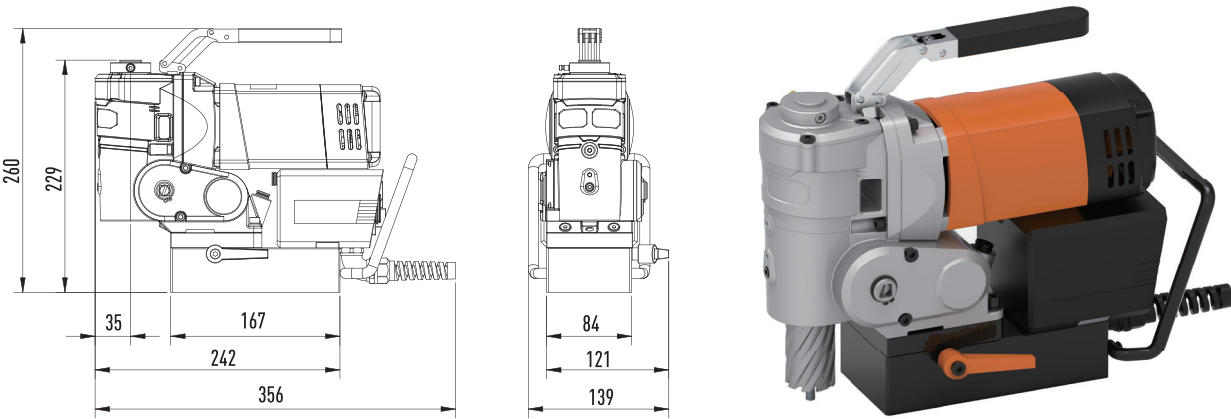
- 1 专用风叶，
大出风量，高效散热
Dedicated fan blades, large air output, efficient heat dissipation
- 2 可变进水方向，
满足狭小空间多方向水管连接
The water inlet direction is variable to meet the needs of multi-directional water pipe connection in narrow spaces
- 3 主轴中心出水，
实现内部冷却
Water from the center of the spindle to achieve internal cooling
- 4 折叠式提柄，
收放便捷，不占用整机高度
Folding type handle, easy to fold and open, not occupying the height of the machine body
- 5 微调底座，
快速锁紧，定位更方便
Slightly adjust the base, it can be quickly locked, and the positioning is more convenient
- 6 自动进给
Automatic feed



- 7 尾部推拉提柄，
便于移动钻机
Push-pull handle at the tail, easy to move the machine
- 8 两侧均可安装进给手柄
On both sides, the feeding handles can be installed
- 9 局部照明，
方便钻孔位置观察
Local lighting to help observe the drilling position
- 10 激光定位，
辅助定位钻孔位置
Laser positioning, assist to determine the drilling position
- 11 高精度齿轮，
低噪音，长寿命
High-precision gears, low noise, and long service life
- 12 磁座待机半波模式，
更耐用更安全
Magnetic base stand-by half-wave mode, more durable and safer

DX-H35 HORIZONTAL MAGNETIC DRILLING MACHINE
卧式磁座钻机

- 卧式结构, 满足狭小空间
- 体积小, 操作灵活
- 大功率, 高效钻孔
- Horizontal structure, to meet the narrow space operation.
- Small size and flexible operation.
- High power and drilling efficiency.



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1100W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤50mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	9000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤ø13mm	机身微调 FUSELAGE FINE ADJUSTMENT	✓
行程 STROKE	63mm	攻丝规格 TAPPING SPECIFICATIONS	—	照明 ILLUMINATION	✓
主轴可调高度 MAINSHAFT ADJUSTABLE HEIGHT	—	重量 WEIGHT	11.5KG	激光定位 LASER POSITIONING	✓
主轴接口类型 SPINDLE INTERFACE TYPE	ø19.05mm	额定转速 RATED SPEED	450rpm		
磁座尺寸 MAGNETIC BASE SIZE	167*84*44mm				
外形尺寸 MACHINE SIZE	356*139*260mm				
最小钢板厚度 THE MIN PROCESSING THICKNESS	10mm				
钢板钻孔直径 THE DIAMETER RANGE OF ANNULAR CUTTER	≤ø35mm				

主要配件: 冷却壶 / 扳手 / 安全带等。MAIN ACCESSORIES: COOLING POT / WRENCH / SAFETY STRAP, ETC.

AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

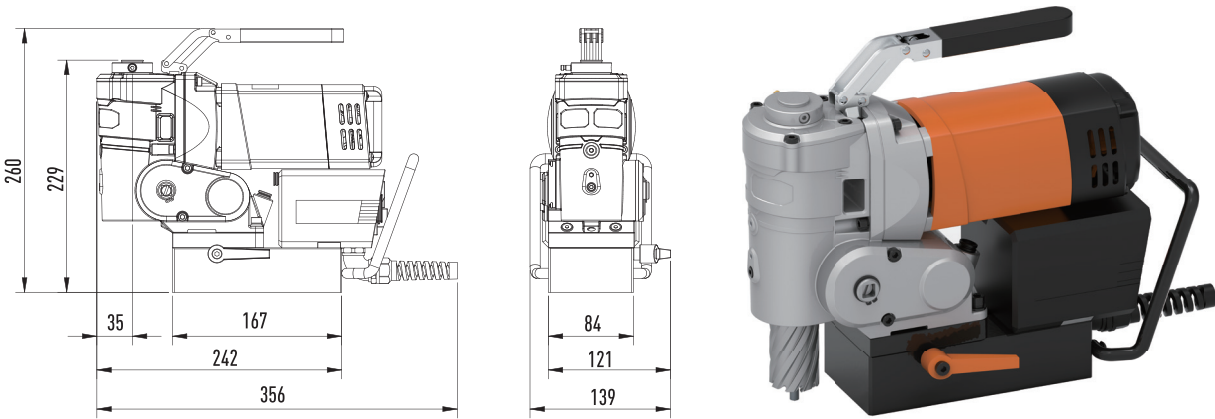
可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

DX-H35S HORIZONTAL MAGNETIC DRILLING MACHINE
卧式磁座钻机

- 卧式结构, 满足狭小空间
- 体积小, 操作灵活
- 大功率, 高效钻孔
- Horizontal structure, to meet the narrow space operation.
- Small size and flexible operation.
- High power and drilling efficiency.

AUTOMATIC FEED
自动进给款



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1100W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤50mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	9000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤ø13mm	主电机过流保护 MAIN MOTOR OVERCURRENT PROTECTION	✓
行程 STROKE	63mm	攻丝规格 TAPPING SPECIFICATIONS	—	自动进给 AUTOMATIC FEED	✓
主轴可调高度 MAINSHAFT ADJUSTABLE HEIGHT	—	重量 WEIGHT	11.8KG	进给过流保护 FEEDING OVERCURRENT PROTECTION	✓
主轴接口类型 SPINDLE INTERFACE TYPE	ø19.05mm	额定转速 RATED SPEED	450rpm	钻穿复位 DRILL THROUGH RESET	✓
磁座尺寸 MAGNETIC BASE SIZE	167*84*44mm			进给点动 FEED POINT MOVEMENT	✓
外形尺寸 MACHINE SIZE	356*139*260mm			机身微调 FUSELAGE FINE ADJUSTMENT	✓
最小钢板厚度 THE MIN PROCESSING THICKNESS	10mm			照明 ILLUMINATION	✓
钢板钻孔直径 THE DIAMETER RANGE OF ANNULAR CUTTER	≤ø35mm			激光定位 LASER POSITIONING	✓

主要配件: 冷却壶 / 扳手 / 安全带等。MAIN ACCESSORIES: COOLING POT / WRENCH / SAFETY STRAP, ETC.

AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

60 SERIES 60 SERIES MAGNETIC DRILLING MACHINE
60系列磁座钻机



- 1

斜式高强度铝机身, 兼顾刚性与美观
Aluminum machine body with tilted type and high-strength, balanced rigidity and aesthetics
- 2

导轨与滑板轻量化设计, 表面硬化处理, 出色耐用度
Lightweight design of the rails and skateboards, surface-hardening treatment, excellent durability
- 3

双燕尾滑板结构, 电机部位可调, 满足更多高度需求
Double dovetail skateboard structure, the motor is adjustable to meet more requirements for heights
- 4

手柄、提柄人体工学设计, 减缓操作疲劳
Hands are ergonomically designed to reduce operating fatigue
- 5

薄膜开关控制, 操作方便、轻巧
Use the membrane switch to control, light and easy to operate
- 6

电机过流保护功能
Motor overcurrent protection function
- 7

功率、磁力指示灯, 方便了解设备工作状态
Power, magnetic indicator light, effectively to know the working status of the equipment
- 8

高穿透磁座吸力, 更可靠的吸附力
High penetration magnetic base suction, more reliable adsorption force
- 9

磁座待机半波模式, 更耐用更安全
Magnetic base stand-by half-wave mode, more durable and safer
- 10

大功率电机配置, 钻削稳定
High-power motor configuration, drilling stable
- 11

出风口导向设计, 操作位置防直吹
Air outlet guide design, prevent direct blowing at the operating position
- 12

进风口倾斜防护设计, 避免液体或杂物落入电机内
The inclined protection design of the air inlet to avoids liquid or debris falling into the inside of the motor
- 13

滑板锁止, 换刀与位移安全方便
Sliding plate lock makes tool replacement & machine displacement safe and convenient
- 14

两档转速调节
Two speed adjustment, widely used

DX-60 MAGNETIC DRILLING MACHINE
磁座钻机

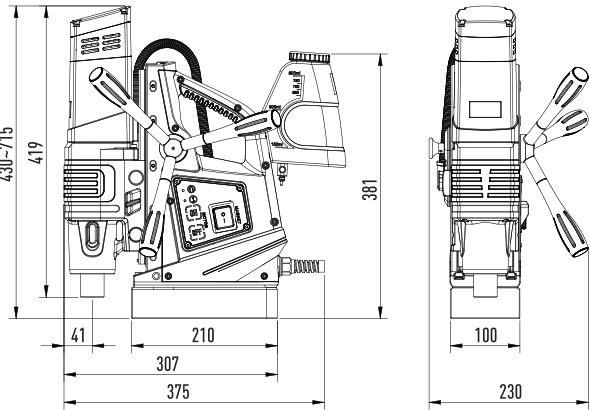
- 大功率, 强吸力, 高效钻孔

• MT3主轴, 高刚性, 高可靠性

• 专利结构, 高精度制造工艺, 使用寿命长
- High power, strong suction, efficient drilling

• MT3 spindle, high rigidity and reliability

• Patented structure, high-precision manufacturing process with long service life



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1500W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤75mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	15000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤φ31.5mm	吸力指示 SUCTION FORCE INDICATION	✓
行程 STROKE	170mm	攻丝规格 TAPPING SPECIFICATIONS	—	电机缓启动 MOTOR SLOW START	✓
电机可调范围 MAINSHAFT ADJUSTABLE HEIGHT	130mm	重量 WEIGHT	19KG	主电机过流保护 MAIN MOTOR CURRENT PROTECTION	✓
主轴接口类型 SPINDLE INTERFACE TYPE	MT3	额定转速 RATED SPEED	250/450rpm	滑板锁止 SLIDING PLATE LOCKING	✓
磁座尺寸 MAGNETIC BASE SIZE	210*100*45mm			齿轮换挡 GEAR SHIFT	✓
外形尺寸 MACHINE SIZE	375*230*430(715)mm			齿轮过扭保护 GEAR OVER-TORSION PROTECTION	✓
最小钢板厚度 THE MIN PROCESSING THICKNESS	10mm				
钢板钻孔直径* THE DIAMETER RANGE OF ANNULAR CUTTER*	≤φ60mm				

***TCT系列≤60mm, HSS系列≤50mm ***TCT SERIES ≤60mm, HSS SERIES ≤50mm
主要配件: 冷却壶 / 扳手 / 斜铁块 / 安全带 / MT3夹具。 MAIN ACCESSORIES: COOLING POT / WRENCH / INCLINED IRON BOLCK / SAFETY STRAP / MT3 TOOL HOLDER.

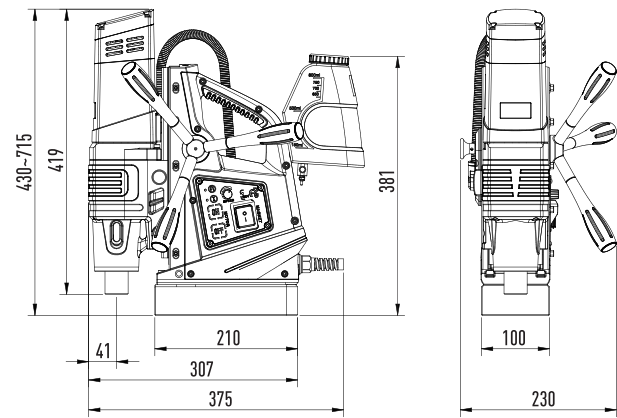
AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

DX-60X MAGNETIC DRILLING MACHINE 磁座钻机

- 正反转调速功能
- 大功率, 强吸力, 高效钻孔
- MT3主轴, 高刚性, 高可靠性
- 专利结构, 高精度制造工艺, 使用寿命长
- Tapping
- High power, strong suction, efficient drilling
- MT3 spindle, high rigidity and reliability
- Patented structure, high-precision manufacturing process with long service life



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1500W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤75mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	15000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤ø31.5mm	吸力指示 SUCTION FORCE INDICATION	✓
行程 STROKE	170mm	攻丝规格 TAPPING SPECIFICATIONS	≤M16	电机缓启动 MOTOR SLOW START	✓
主轴可调高度 MAINSHAFT ADJUSTABLE HEIGHT	130mm	重量 WEIGHT	19KG	主电机过流保护 MAIN MOTOR CURRENT PROTECTION	✓
主轴接口类型 SPINDLE INTERFACE TYPE	MT3	额定转速 RATED SPEED	250/450rpm	滑板锁止 SLIDING PLATE LOCKING	✓
磁座尺寸 MAGNETIC BASE SIZE	210*100*45mm			齿轮换挡 GEAR SHIFT	✓
外形尺寸 MACHINE SIZE	375*230*430(715)mm			齿轮过扭保护 GEAR OVER-TORSION PROTECTION	✓
最小钢板厚度 THE MIN PROCESSING THICKNESS	10mm			电机正反转 MOTOR FORWARD AND REVERSE ROTATION	✓
钢板钻孔直径* THE DIAMETER RANGE OF ANNULAR CUTTER*	≤ø60mm			主电机电子调速 MAIN MOTOR ELECTRONIC SPEED CONTROL	✓

***TCT系列≤60mm, HSS系列≤50mm ***TCT SERIES ≤60mm, HSS SERIES ≤50mm

主要配件: 冷却壶 / 扳手 / 斜铁块 / 安全带 / MT3夹具。 MAIN ACCESSORIES: COOLING POT / WRENCH / INCLINED IRON BOLCK / SAFETY STRAP / MT3 TOOL HOLDER.

AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

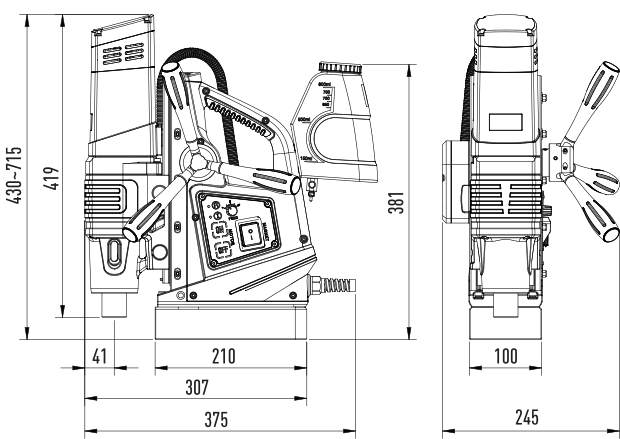
可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

DX-60S MAGNETIC DRILLING MACHINE 磁座钻机

- 自动进给
- 大功率, 强吸力, 高效钻孔
- MT3主轴, 高刚性, 高可靠性
- 专利结构, 高精度制造工艺, 使用寿命长
- Automatic feed
- High power, strong suction, efficient drilling
- MT3 spindle, high rigidity and reliability
- Patented structure, high-precision manufacturing process with long service life

AUTOMATIC FEED
自动进给款



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1500W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤75mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	15000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤ø31.5mm	吸力指示 SUCTION FORCE INDICATION	✓
行程 STROKE	170mm	攻丝规格 TAPPING SPECIFICATIONS	—	电机缓启动 MOTOR SLOW START	✓
电机可调范围 MAINSHAFT ADJUSTABLE HEIGHT	130mm	重量 WEIGHT	19.5KG	主电机过流保护 MAIN MOTOR CURRENT PROTECTION	✓
主轴接口类型 SPINDLE INTERFACE TYPE	MT3	额定转速 RATED SPEED	250/450rpm	齿轮换挡 GEAR SHIFT	✓
磁座尺寸 MAGNETIC BASE SIZE	210*100*45mm			齿轮过扭保护 GEAR OVER-TORSION PROTECTION	✓
外形尺寸 MACHINE SIZE	375*230*430(715)mm			自动进给 AUTOMATIC FEED	✓
最小钢板厚度 THE MIN PROCESSING THICKNESS	10mm			进给电子调速 FEED ELECTRONIC SPEED CONTROL	✓
钢板钻孔直径* THE DIAMETER RANGE OF ANNULAR CUTTER*	≤ø60mm			进给过流保护 FEEDING OVERCURRENT PROTECTION	✓

***TCT系列≤60mm, HSS系列≤50mm ***TCT SERIES ≤60mm, HSS SERIES ≤50mm

主要配件: 冷却壶 / 扳手 / 斜铁块 / 安全带 / MT3夹具。 MAIN ACCESSORIES: COOLING POT / WRENCH / INCLINED IRON BOLCK / SAFETY STRAP / MT3 TOOL HOLDER.

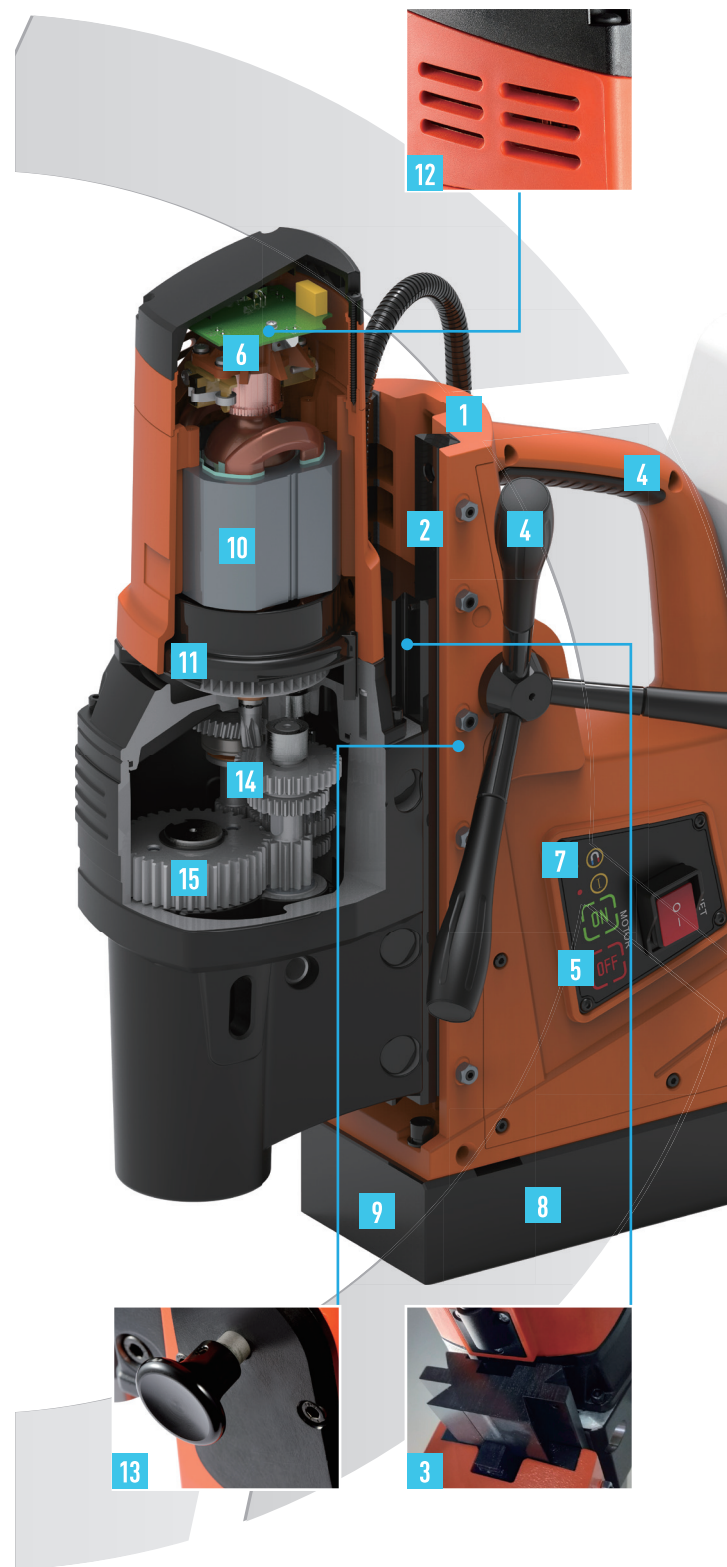
AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

120 SERIES 120 SERIES MAGNETIC DRILLING MACHINE

120系列磁座钻机

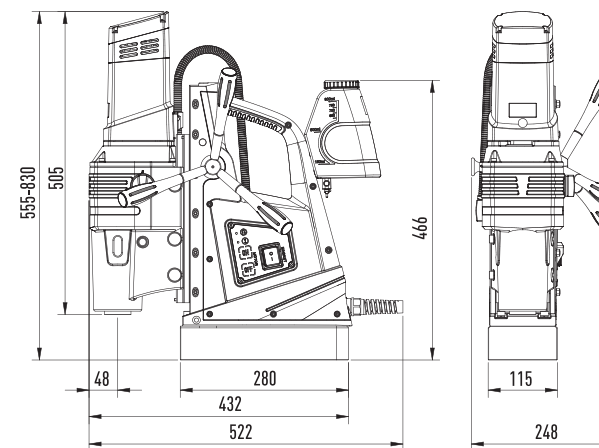


- 1 斜式高强度铝机身, 兼顾刚性与美观
Aluminum machine body with tilted type and high-strength, balanced rigidity and aesthetics
- 2 导轨与滑板轻量化设计, 表面硬化处理, 出色耐用度
Lightweight design of the rails and skateboards, surface-hardening treatment, excellent durability
- 3 双燕尾滑板结构, 电机部位可调, 满足更多高度需求
Double dovetail skateboard structure, the motor is adjustable to meet more requirements for heights
- 4 手柄、提柄人体工学设计, 减缓操作疲劳
Hands are ergonomically designed to reduce operating fatigue
- 5 薄膜开关控制, 操作方便、轻巧
Use the membrane switch to control, light and easy to operate
- 6 电机过流保护功能
Motor overcurrent protection function
- 7 功率、磁力指示灯, 方便了解设备工作状态
Power, magnetic indicator light, effectively to know the working status of the equipment
- 8 高穿透磁座吸力, 更可靠的吸附力
High penetration magnetic base suction, more reliable adsorption force
- 9 磁座待机半波模式, 更耐用更安全
Magnetic base stand-by half-wave mode, more durable and safer
- 10 2500W大功率电机配置, 钻削稳定
2500W High-power motor configuration, the drilling is stable
- 11 出风口导向设计, 操作位置防直吹
Air outlet guide design, prevent direct blowing at the operating position
- 12 进风口倾斜防护设计, 避免液体或杂物落入电机内
The inclined protection design of the air inlet to avoids liquid or debris falling into the inside of the motor
- 13 滑板锁止, 换刀与位移安全方便
Sliding plate lock makes tool replacement & machine displacement safe and convenient
- 14 四档转速调节
Four speed adjustment, widely used
- 15 高速齿轮7级精度, 降噪音, 长寿命
High-speed gear with 7-level precision, noise reduction and long life

DX-120 MAGNETIC DRILLING MACHINE

磁座钻机

- 大功率, 超强吸力, 高效钻孔
- MT4主轴, 高刚性, 高可靠性
- 专利结构, 高精度制造工艺, 使用寿命长
- High power, super suction, efficient drilling
- MT4 spindle, high rigidity and reliability
- Patented structure, high-precision manufacturing process with long service life



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	2500W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤100mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	20000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤φ42mm	吸力指示 SUCTION FORCE INDICATION	✓
行程 STROKE	220mm	攻丝规格 TAPPING SPECIFICATIONS	—	电机缓启动 MOTOR SLOW START	✓
电机可调范围 MAINSHAFT ADJUSTABLE HEIGHT	60mm	重量 WEIGHT	36.5KG	主电机过流保护 MAIN MOTOR CURRENT PROTECTION	✓
主轴接口类型 SPINDLE INTERFACE TYPE	MT4	额定转速 RATED SPEED	80/125/175/300rpm	滑板锁止 SLIDING PLATE LOCKING	✓
磁座尺寸 MAGNETIC BASE SIZE	280*115*56.5mm			齿轮换挡 GEAR SHIFT	✓
外形尺寸 MACHINE SIZE	522*248*555(830)mm			齿轮过扭保护 GEAR OVER-TORSION PROTECTION	✓
最小钢板厚度 THE MIN PROCESSING THICKNESS	15mm				
钢板钻孔直径* THE DIAMETER RANGE OF ANNULAR CUTTER*	≤φ120mm				

***TCT系列≤120mm, HSS系列≤65mm ***TCT SERIES ≤ 120mm, HSS SERIES ≤ 65mm

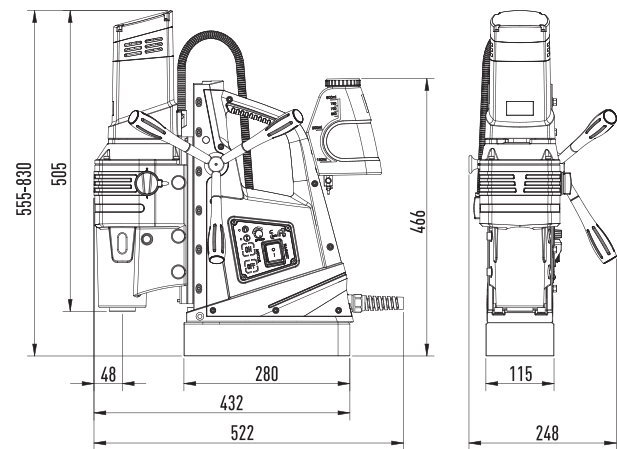
主要配件: 冷却壶 / 扳手 / 斜铁块 / 安全带 / MT4夹具。 MAIN ACCESSORIES: COOLING POT / WRENCH / INCLINED IRON BOLCK / SAFETY STRAP / MT4 TOOL HOLDER.

可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V				
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

DX-120X MAGNETIC DRILLING MACHINE 磁座钻机

- 正反转调速功能
- 大功率, 超强吸力, 高效钻孔
- MT4主轴, 高刚性, 高可靠性
- 专利结构, 高精度制造工艺, 使用寿命长
- Tapping
- High power, super suction, efficient drilling
- MT4 spindle, high rigidity and reliability
- Patented structure, high-precision manufacturing process with long service life



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	2500W	钢板钻孔深度 THE DRILLING DEPTH RANGE OF ANNULAR CUTTER	≤100mm	磁座半吸 MAGNETIC BASE SEMI-SUCTION	✓
磁座吸力 MAGNETIC SUCTION	20000N	麻花钻直径 THE DIAMETER RANGE OF TWIST DRILL	≤φ42mm	吸力指示 SUCTION FORCE INDICATION	✓
行程 STROKE	220mm	攻丝规格 TAPPING SPECIFICATIONS	≤M33	电机缓启动 MOTOR SLOW START	✓
主轴可调高度 MAINSHAFT ADJUSTABLE HEIGHT	60mm	重量 WEIGHT	36.5KG	主电机过流保护 MAIN MOTOR CURRENT PROTECTION	✓
主轴接口类型 SPINDLE INTERFACE TYPE	MT4	额定转速 RATED SPEED	80/125/175/300rpm	滑板锁止 SLIDING PLATE LOCKING	✓
磁座尺寸 MAGNETIC BASE SIZE	280*115*56.5mm			齿轮换挡 GEAR SHIFT	✓
外形尺寸 MACHINE SIZE	522*248*555(830)mm			齿轮过扭保护 GEAR OVER-TORSION PROTECTION	✓
最小钢板厚度 THE MIN PROCESSING THICKNESS	15mm			电机正反转 MOTOR FORWARD AND REVERSE ROTATION	✓
钢板钻孔直径* THE DIAMETER RANGE OF ANNULAR CUTTER*	≤φ120mm			主电机电子调速 MAIN MOTOR ELECTRONIC SPEED CONTROL	✓

***TCT系列≤120mm, HSS系列≤65mm ***TCT SERIES ≤120mm, HSS SERIES ≤65mm

主要配件: 冷却壶/扳手/斜铁块/安全带/MT4夹具。MAIN ACCESSORIES: COOLING POT / WRENCH / INCLINED IRON BOLCK / SAFETY STRAP / MT4 TOOL HOLDER.

AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

Magnetic Drill Application



CHTOOLS® 创恒®
专 注 孔 加 工 技 术

DR-35 SERIES DR-35 SERIES ELECTRIC RAIL DRILLING MACHINE
DR-35系列电动钢轨钻机

Makes drilling easier



- 1

整体式机身结构, 兼顾刚性与美观
Integral fuselage structure, balanced rigidity and aesthetics
- 2

双燕尾滑板结构, 电机部位可调, 满足更多高度需求
Double dovetail skateboard structure, the motor is adjustable to meet more requirements for heights
- 3

导轨与滑板轻量化设计与表面硬化处理, 出色的耐用度
Lightweight design of the rails and skateboards, surface-hardening treatment, excellent durability
- 4

手柄、提柄人体工学设计, 减缓操作疲劳
Ergonomic design of the handle to alleviate the operating fatigue
- 5

36片换向器电机, 运行平稳
36 pieces of commutator motor, running smoothly
- 6

进风口倾斜防护设计, 可避免液体或杂物落入电机内
The inclined protection design of the air inlet to avoids liquid or debris falling into the inside of the motor
- 7

专用风叶, 大出风量, 高效散热
Dedicated fan blades, large air output, efficient heat dissipation
- 8

齿轮箱内置导油器, 改善高位齿轮的润滑效果
Gear box built-in oil guide to improve the lubrication effect of priority gears
- 9

高速齿轮7级精度, 降噪音, 长寿命
High-speed gear with 7-level precision, noise reduction and long life
- 10

防水型电磁开关, 具有停电和欠电压保护功能
Waterproof electromagnetic switch, with the power failure and undervoltage protection function
- 11

尾部手轮实现快速松开与锁紧
Tail handwheel for fast unlocking and locking
- 12

夹紧可调, 适用多种钢轨, 支撑可靠稳定
Adjustable clamping, suitable for a variety of rails, reliable and stable support

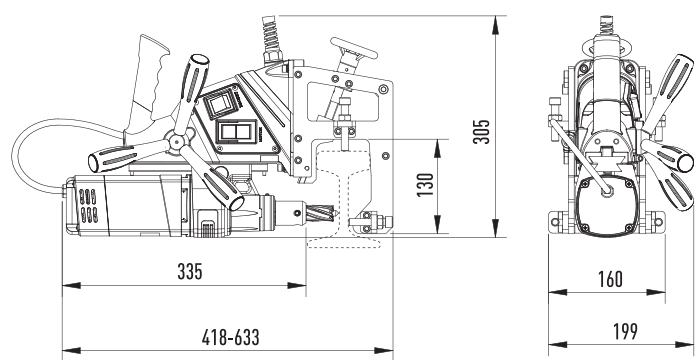
CHTOOLS® 创恒®
专 注 孔 加 工 技 术

DR-35 ELECTRIC RAIL DRILLING MACHINE
电动钢轨钻机

Makes drilling easier

- 重量轻, 操作便捷, 应用广泛
 - 高功率, 高效钻孔
 - 专利结构, 高精度制造工艺, 使用寿命长

- Light and convenient operation,widely used
 - High power and drilling efficiency
 - Patented structure, high-precision manufacturing process with long service life



AC 220V~240V 50~60HZ

额定输入功率 RATED INPUT POWER	1100W	空心钢轨钻孔直径 THE DIAMETER RANGE OF RAIL CUTTER	≤φ35mm	冷却方式 COOLING METHOD	手动压力壶 Manual pressure pot
行程 STROKE	120mm	实心钢轨钻孔直径 THE DIAMETER RANGE OF SOLID RAIL CUTTER	≤10mm		
电机可调范围 MOTOR ADJUSTABLE RANGE	95mm	钻削钢轨型号 DRILLING RAIL MODEL	43kg/m钢轨, 50kg/m钢轨, 60kg/m钢轨		
主轴接口类型 SPINDLE INTERFACE TYPE	φ19.05mm	攻丝规格 TAPPING SPECIFICATIONS	—		
外形尺寸 MACHINE SIZE	305*199*418(633)mm	重量 WEIGHT	13.5KG		
最小钢板厚度 THE MIN PROCESSING THICKNESS	—	额定转速 RATED SPEED	450rpm		

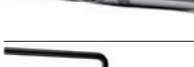
主要配件: 扳手 / 安全带 MAIN ACCESSORIES: WRENCH / SAFETY STRAP.

AC 110V~127V, 同款机型可选电压
50~60HZ SAME MODEL SELECTABLE VOLTAGE.

可选电源插头类型 OPTIONAL POWER PLUG TYPE

AC 220~240V					AC 110~127V	
英标插头 ENGLAND STANDARD PLUG	澳标插头 AUSTRALIA STANDARD PLUG	欧标插头 EUROP STANDARD PLUG	国标插头 CHINA STANDARD PLUG	工业插头 INDUSTRIAL PLUG	美标插头 AMERICA STANDARD PLUG	工业插头 INDUSTRIAL PLUG

Optional annular cutter and accessories

	TCT annular cutter with Weldon shank Cutting diameter: 12-50mm Cutting depth: 35mm, 50mm, 75mm	Welding TCT annular cutter, supporting cutting tools for drilling
	TCT annular cutter with universal shank Cutting diameter: 12-50mm Cutting depth: 35mm, 50mm, 75mm	
	HSS annular cutter with Weldon shank Cutting diameter: 12-50mm Cutting depth: 25mm, 35mm, 50mm, 75mm	HSS annular cutter, supporting cutting tools for drilling
	HSS annular cutter with universal shank Cutting diameter: 12-50mm Cutting depth: 25mm, 35mm, 50mm, 75mm	
	HSS countersink Size: Ø25, Ø30, Ø35	The cutting tool for the chamfering process
	Twist drill Cutting diameter: ≤42mm (1-1 1/16")	Round hole machining tool
	Arbor Type: DJXY-50D-MT3, DJPY-50X-MT3, DJXY-75X-MT3 Part No.: 198103146, 198103001, 198103007	Fixed on the main shaft, used to install the cutter for drilling operation
	Pilot pin Size: 6.34×77, 6.34×90, 6.34×106 ... Size: 7.98×90, 7.98×108 ...	The accessory of annular cutter, used for drilling the top out of the core
	Adapter Type: DZFX, DZCX, DZLX, DZCL, DZCU, DZXL, DZXU, DZXZ, DZCZ, DZfZ, DZMZ	Switch to different shank, in order to implement different shank to install on the drill machine
	Extension adapter Type: DZXX, DZXP, DZPP	The accessories for using to extend tool to spindle distance
	Chuck Size: B16 1.5-13mm, B16 1-16mm, B18 1-16mm	The accessory of adapter
	Accessory: Pipe holder Single/double chain pipe holder: 80-300/300-1000 Single/double belt type pipe holder: 80-300/300-1000	Fixed to the round tube, provide the adsorption plane for the drill operation
	Magnetic sticker Part No.: 249611570	The tool for removing detritus through magnetism
	Hook Part No.: 2601029	To remove Scrap iron when drilling
	Tap	Tool for internal threads process
	Morse taper shank tapping clamp	It is fixed on the spindle and used for install tapping holder for tapping operation
	Tap holder	Install the tap and connect to the tapping clamp for tapping operation

NZG-31 Internal Combustion Drilling Machine Functional description



- 1 This drilling machine is special drilling equipment for railway. Accurate positioning, fast drilling, simple operation, easy to carry, safe to use, it is the necessary tools for railway maintenance and emergency repair operations.
- 2 Scope of application: 43-75kg/m rail and various special-shaped rail.
- 3 Power: imported single cylinder gasoline engine, quick start, stable work.
- 4 Drill bit: Multiple-cutting-edge HSS cobalt core drill, with short drilling time, high precision, and long service life.
- 5 Bit Cooling: Pneumatic coolant tank effectively lubricates and cools the bit, extending the bit life.
- 6 Drilling positioning: a variety of special positioning plates can ensure that the drilling position and hole saw meet the railway standards.

NZG-31 Internal Combustion Drilling Machine

Model	NZG-31
Gasoline engine rated power	1.2kw
Drilling capacity	31±0.5mm
No-load speed	275r/min
Positioning deviation	≤ 1mm
Drilling time	Time for drill through≤ 40s
Service life	New cutter can make 40-50 holes, Under normal wear and tear, Each drill bit can be repaired and grinded more than ten times
Fuel tank capacity	0.8L
Net weight	22kg
Overall size	640mm×380mm×365mm