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Drilling machines

钻床



2018 Version 1.0

扬州欧普兄弟机械工具有限公司
Yangzhou Euro Brother Machine & Tools Co., Ltd.

DRILLING MACHINE

V-belt machines

Drilling 13/16/20/25/32 C3
 Radial Drilling 16/20 C5
 B17/B23/B26/B33Pro C7
 E17/E23/E26/E33 C9
 I 13 / I 15 / I 17 / I 20 C11
 I 12 / I 16.5 C13
 B16H/24H/28H/34H C15

Variable speed machines

B16HV/24HV/28HV/34HV C17
 DH18V C19
 DH24BV/28BV/34BV C21
 DX13V/DX15V/DX17V C23
 B30BS C25

Gear machines

B30VGM C27
 B40E/B40PTE C29
 DH26GT/28GS/32GS C31
 DH26GTV/28GSV/32GSV C33
 DH35G/DH45G/DH55G C35
 DH45V C37
 Drilling 45/45E C39
 Drilling 50 C41

Electromagnetic base drill

DM35/50/35PF C43
 DM35V/50V C45
 DM36VT C46
 DM60V/98V C47
 DM50PM C49
 DM38VF C50
 MBD19/25/38 C51

Accessories C52



DRILLING MACHINE

钻床 DRILLING 13/16/20/25/32



Drilling 13



Drilling 16



Drilling 20

机床技术参数 / Specification

型号	Model	Drilling 13	Drilling 16	Drilling 20
产品编号	Code No.	3101300	3101600	3102000
加工范围	CAPACITY			
钻孔直径	Drilling capacity(max.)	Ø13 mm	Ø16 mm	Ø20 mm
工作范围	WORKING RANGE			
套筒直径	Sleeve diameter	Ø40 mm	Ø42 mm	Ø47 mm
套筒行程	Sleeve travel	50 mm	60 mm	80 mm
主轴轴线至立柱表面距离	Distance spindle-column	104 mm	126 mm	169 mm
主轴	SPINDLE HOLDING FIXTURE			
主轴锥度	Spindle holding fixture	B16	MT2	MT2
速度	SPEEDS			
主轴转速	Spindle speeds	580-2650 rpm	220-2450 rpm 660-2500 rpm	210-2220 rpm
转速级数	Number of steps	5 steps	12 or 5 steps	12 steps
工作台	DRILLING TABLE			
工作台尺寸 (长x宽)	Table size(LxW)	160x160 mm	200x195 mm	300x300 mm
T型槽尺寸	T-slot size	/	/	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	200 mm	350 mm	390 mm
底座尺寸(长x宽)	Working surface stand(LxW)	200x314 mm	355x235 mm	455x270 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	290 mm	524 mm	640 mm
电机	ELECTRIC SUPPLY			
电机功率	Motor	350 W	450 W	550 W
外形及重量	DIMENSIONS AND WEIGHT			
包装尺寸 (长x宽x高)	packing size(LxWxH)	445x345x255 mm	700x440x230 mm	820x490x300 mm
净重/毛重	Net weight/Gross weight	15/17 kg	27/29 kg	47/51 kg



优质、高效、高性价比

- 本产品荣获“CE”“EMC”认证
- 一般钻夹头或自紧钻夹头
- 高精度主轴 (MT4/MT3/MT2)
- 强功率电机
- 全面质量控制

Convincing arguments: quality, efficiency and price

- Machine approved "CE" "EMC"
- Normal drill chuck or quick-action drill chuck
- High precision spindle
- Big power motor
- Overall control

标准附件:

- 自紧式钻夹头 1- Ø13/B16
- 钻接杆

可选附件:

1. 中型、重型锥孔钻夹头 1-13/B16 or 3-16/B16
2. 莫氏变径套 MT4/MT3, MT4/MT2, MT3/MT2
3. 扁尾型莫氏钻接杆 MT4/B16, MT3/B16, MT2/B16
4. 可逆转丝锥夹头 M5-M12
5. 平口钳 BMS85 BMS100 BMS125 BMS150
6. 防护罩, 急停开关

Standard Accessories:

- Keyless chuck 1- Ø13/B16
- Morse taper

Optional Accessories:

1. Middle heavy taper drill chuck 1-13/B16 or 3-16/B16
2. Morse reducing bushes MT4/MT3, MT4/MT2, MT3/MT2
3. Morse taper with flat top MT4/B16, MT3/B16, MT2/B16
4. Reversible tapering chuck M5-M12
5. Machine vice BMS85 BMS100 BMS125 BMS150
6. Drill chuck, emergency stop switch



Drilling 25

Drilling 32

机床技术参数 / Specification

型号	Model	Drilling 25	Drilling 32
产品编号	Code No.	3102500	3103200
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø25 mm	Ø32 mm
工作范围	WORKING RANGE		
套筒直径	Sleeve diameter	Ø52 mm	Ø72 mm
套筒行程	Sleeve travel	80 mm	120 mm
主轴轴线至立柱表面距离	Distance spindle-column	190 mm	226 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT ₃	MT ₄
速度	SPEEDS		
主轴转速	Spindle speeds	210-2220 rpm	150-2020 rpm
转速级数	Number of steps	12 steps	9 steps
工作台	DRILLING TABLE		
工作台尺寸(长×宽)	Table size(L×W)	270×270 mm	364×364 mm
T型槽尺寸	T-slot size	15 mm	15 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	780 mm	590 mm
底座尺寸(长×宽)	Working surface stand(L×W)	500×300 mm	625×372 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1220 mm	1177 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	550 W	1100 W
外形及重量	DIMENSIONS AND WEIGHT		
包装尺寸(长×宽×高)	packing size(L×W×H)	1150×490×318 mm	1460×640×340 mm
净重/毛重	Net weight/Gross weight	60/63 kg	135/140 kg

细节展示 Details



- Highly smooth running due to aluminium pulleys and grounded multi tooth dog
- Toothed GATES quality V-belt for better power transmission
- V-belt covering with safety switch
- 铝皮带轮保证高速平滑运行, 减少功率损失
- 高质量盖茨皮带带来更好的传动效果
- 皮带轮带安全开关防护



- Guaranteed true running accuracy better than 0.03 mm measured in the drilling spindle
- Drilling spindle with precision ball bearings
- High-quality quick-action drill chuck as standard
- 保证主轴跳动精度小于 0.03mm
- 主轴轴承使用高精度滚珠轴承
- 高质量快换钻夹头作为标准附件



- Long, ergonomically star grips with soft grips handles for safe working
- Drilling depth stop
- 人体操作的加长星形把手, 采用软质手柄材料, 更能带来安全操作
- 带钻削深度限位



- User-friendly safety switch for IP 54 with low-voltage release,
- Emergency-stop push button
- 用户友好操作的安全开关, 符合 IP54, 带低压释放保护
- 带急停开关按钮

DRILLING MACHINE

台钻 RADIAL DRILLING 16/20

优质、高效、高性价比

- 精加工铝皮带轮和精加工保证高速平滑运行
- 主轴带高精度滚珠轴承
- 高质量标准齿圈钻头
- Optimum高性价比
- 稳定可靠的性能和品质

Convincing arguments: quality, efficiency and price

- High smooth running due to aluminium pulleys and grounded multi tooth dog
- Drilling spindle with precision ball bearings
- High-quality gear rim drill chuck as standard
- Optimum price/performance ratio
- Stable value

高质量皮带轮

- 齿形
 - 理想的传动比
- Quality V-belts
- Toothed
 - Considerably higher transmission of force

安全开关

- 易操作
 - 防护等级IP54
 - 低压释放保护
- Safety switch
- Easy-to-operate
 - Protection class IP 54
 - Undervoltage release

主轴

- 保证主轴跳动精度小于0.03mm
 - 主轴轴承使用高精度滚珠轴承
- Drilling spindle
- Guaranteed true running accuracy better than 0.03 mm measured in the drilling spindle
 - Precision ball bearings

钻夹头

- 最大可能地保护用户
 - 高度可调
 - 带微动
- Drill chuck
- Best possible protection of the user
 - Height-adjustable
 - Micro switch

工作台

- RB6T: 带安装孔确保可延伸加长工作台
 - RB8S: 带横向运动T型槽
- Working table
- Precisely worked
 - RB 6T: Mounting holes for enlarged table support)
 - RB 8S: Transversally running T-slots

钢立柱

- 运行平滑, 稳定性高
- Steel column
- High smooth running and stability

底座

- 大尺寸、精加工
 - 带T型槽
 - 背面带高强筋
- Base plate
- Solid and largely dimensioned slots for T-slots
 - Heavily ribbed at the rear side

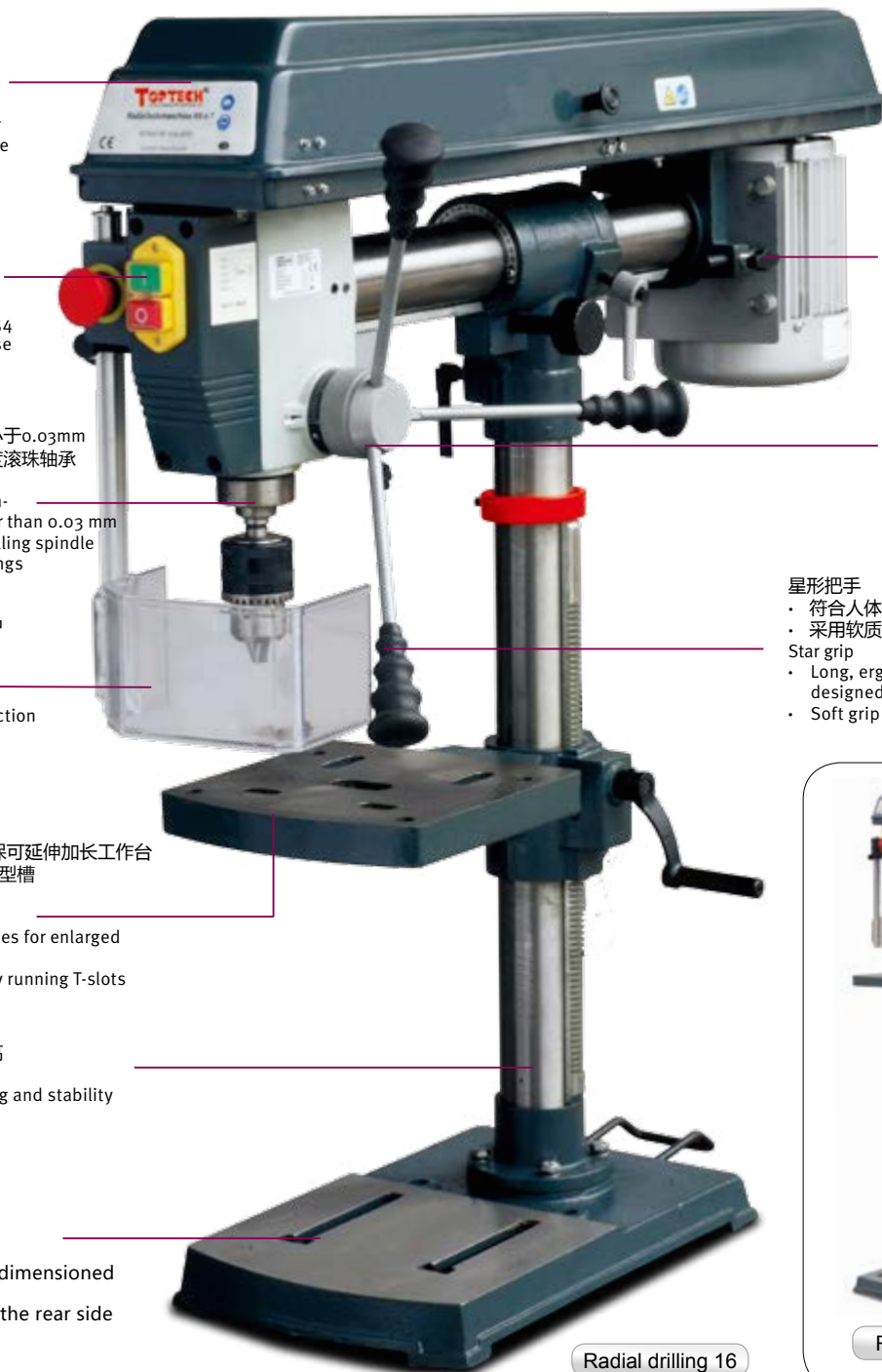
电机

- 平滑运行
 - 强有力
 - 铝壳
- Electric motor
- Smooth running
 - Powerful
 - Aluminium housing

带钻削深度限位

星形把手

- 符合人体操作的加长星形把手
 - 采用软质手柄材料, 操作更安全
- Star grip
- Long, ergonomically designed
 - Soft grip handles for safe working



Radial drilling 16

Radial drilling 20

机床技术参数 /Specification

型号	Model	Radial drilling 16	Radial drilling 20
产品编号	Code No.	3701600	3702000
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø16 mm	Ø16 mm
工作范围	WORKING RANGE		
套筒直径	Sleeve diameter	Ø47 mm	Ø47 mm
套筒行程	Sleeve travel	100 mm	100 mm
主轴中心线至立柱表面距离	Distance spindle-column	400 mm	400 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT2	MT2
机头可旋转角度	Head rotation	±45°	±45°
速度	SPEEDS		
主轴转速	Spindle speeds	470-3030 rpm	390-3000 rpm
转速级数	Number of steps	5 steps	5 steps
工作台	DRILLING TABLE		
工作台尺寸	Table size(L×W)	225×230 mm	262×262 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	470 mm	1075 mm
底座尺寸	Working surface stand(L×W)	430×260 mm	600×350 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	550 mm	1260 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	230 V/ 50 Hz 550 W	230 V/ 50 Hz 550 W
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸	size(L×W×H)	820×290×930 mm	820×350×1640 mm
包装尺寸	packing size(L×W×H)	932×407×323 mm	1155×500×295 mm
净重/毛重	Net weight/Gross weight	45/47.5 kg	63/66 kg

标准附件

- 齿轮钻夹头 (1-16mm) B16
- 莫氏锥度 MT2-B16

Standard accessories

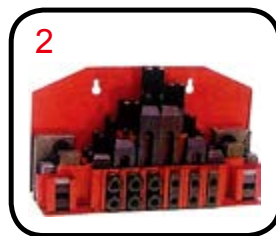
- Gear rim drill chuck (1-16 mm) B 16
- Morse taper MT 2 - B 16

可选附件

1. 麻花钻套装 MT2
2. 夹紧工具 SPW12
3. 攻丝夹头 M5-M12
4. 平口钳 MSO100/MSO75

OPTIONAL EQUIPMENT

1. Twist drill kit HSS MT2
2. Clamping tool kit SPW 12
3. Tapping chuck M5-M12
4. Machine Vice MSO100/MSO75



细节展示 Details

- 机头可倾斜 ± 45°
- The drill head can be inclined by ± 45°



- 移动机头改变厚度
- Variable throat by shifting the drilling head



- 工作台可倾斜 ± 45°
- The working table can be inclined by ± 45°



DRILL PRESS PRO LINE

钻床 B 17/B 23/B 26/B 33 Pro



B17 Pro

B23 Pro

B26 Pro

B33 Pro



Belt drive

- High running smoothness thanks to ground multi-toothed follower
- Best power transmission due to aluminium belt pulleys in connection with toothed GATES quality V-belt

皮带驱动

- 经打磨的多齿耦合器，保证高速运转平滑运行
- 铝皮带轮配上高品质盖茨皮带带来最佳的动力传输



- Guaranteed true running accuracy ≤ 0.02 mm measured in the drilling spindle
- Drilling spindle with precision ball bearings
- High-quality quick-action drill chuck as
- Largely dimensioned, height adjustable protective screen with safety switch

- 主轴同心度小于0.02 mm
- 主轴带有精密球形滚珠轴承
- 带高质量快速夹紧钻头
- 大尺寸、高度可调节、带安全开关的防护罩

机床技术参数 /Specification

产品型号	Type	B 17Pro	B 23Pro
货号	Code No.	3111700	3112302/3112303
机器参数	Machine datas		
电气参数	Electrical connection	230 V / 1 Ph ~50 Hz	230 V/1 Ph or 400 V/3 Ph
电机功率	Motor power	500 W	750 W
钻销直径	Drilling capacity		
钢件钻销直径	Drilling capacity in steel (S235JR)	Ø 16 mm	Ø 25 mm
钢件持续钻销直径	Continuous drilling capacity in steel	Ø 12 mm	Ø 20 mm
主轴锥度	Spindle seat		
主轴行程	Spindle stroke	65 mm	80 mm
主轴锥度	Spindle seat	MT 2	MT 2
主轴轴线至立柱管表面距离	Throat	152 mm	180 mm
转速	Speeds		
主轴转速	Spindle speeds	500-2520 rpm	200-2440 rpm
档位数	Number of steps	5 steps	12 steps
工作台	Drilling table		
工作台尺寸	Work surface table length x width	235 x 220 mm	280 x 245 mm
T型槽尺寸	T-slot size	12 mm	12 mm
工作台回转角度	Drilling table slewable/turnable	± 45° / 360°	± 45° / 360°
主轴端面至工作台表面最大距离	Distance spindle - table (max.)	325 mm	425 mm
底座尺寸	Work surface stand length x width	220 x 230 mm	240 x 250 mm
主轴端面至底座表面距离	Distance spindle - stand (max.)	530 mm	618 mm
尺寸	Dimensions		
立柱直径	Column diameter	Ø 60 mm	Ø 73 mm
长宽高	Length x width x height	600 x 260 x 860 mm	654 x 330 x 1012 mm
重量	Total weight	39 kg	66 kg

产品型号	Type	B 26Pro	B 33Pro
货号	Code No.	3112600	3113300
机器参数	Machine datas		
电气参数	Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
电机功率	Motor power	750 W	1.1 kW
钻销直径	Drilling capacity		
钢件钻销直径	Drilling capacity in steel (S235JR)	Ø 25 mm	Ø 30 mm
钢件持续钻销直径	Continuous drilling capacity in steel	Ø 20 mm	Ø 25 mm
主轴锥度	Spindle seat		
主轴行程	Spindle stroke	85 mm	120 mm
主轴锥度	Spindle seat	MT 3	MT 4
主轴轴线至立柱管表面距离	Throat	210 mm	254 mm
转速	Speeds		
主轴转速	Spindle speeds	200-2440 rpm	120-1810 rpm
档位数	Number of steps	12 steps	9 steps
工作台	Drilling table		
工作台尺寸	Work surface table length x width	330 x 290 mm	475 x 425 mm
T型槽尺寸	T-slot size	14 mm	14 mm
工作台回转角度	Drilling table slewable/turnable	± 45° / 360°	± 45° / 360°
主轴端面至工作台表面最大距离	Distance spindle - table (max.)	720 mm	695 mm
底座尺寸	Work surface stand length x width	385 x 260 mm	410 x 325 mm
主轴端面至底座表面距离	Distance spindle - stand (max.)	1230 mm	1180 mm
尺寸	Dimensions		
立柱直径	Column diameter	Ø 80 mm	Ø 92 mm
长宽高	Length x width x height	700 x 350 x 1670 mm	860 x 480 x 1720 mm
重量	Total weight	82 kg	135 kg

DRILL PRESS € LINE

钻床 € 17/€ 23/€ 26/€ 33

优质、高效与性价比：

- 保证主轴同心度，主轴套筒内测得的数据为小于0.02mm
- 主轴带高精度滚珠轴承
- 标准提供的ROHM快换钻夹头
- 钻夹头防护罩尺寸大、高度可调节并带安全开关，有利防护铁屑飞溅和零件滑脱带来的危险
- 精加工铝皮带轮和精加工保证高速平滑运行（E 23）
- V型带可获得理想的传动比，减少功率损失
- V型皮带装有安全开关
- 精加工带对角T型槽的工作台

Convincing arguments: quality, efficiency and price

- Guaranteed true running accuracy of less than 0.02 drilling spindle sleeve
- Drilling spindle with precision ball bearings
- ROHM quick-action drill chuck supplied as standard mm measured in the
- Largely dimensioned, height-adjustable screening grid with safety switch
- High smoothness due to aluminium V-belt pulleys and grinded multitooth dog (from E 23)
- Considerably higher power transmission due to toothed quality V-belts
- V-belt covering with safety switch
- Precisely machined work table with diagonally running T-slots

- 通过齿条调节工作台高度
- 带钻削深度限位
- 工作台可以倾斜45度，自由回转360度
- 大尺寸、精加工底座，带T型槽和背面有加强筋（E 33 T型槽）
- 一体式铸铝星形升降手柄带软式把手
- 安全开关（符合IP54）易操作，带低压释放和急停按钮
- 400V电压外加正反转开关
- 运行平滑稳定，电机功率强
- 床身厚重结实

- Height adjustment of the drilling table via toothed rack
- Drill depth stop
- Worktable can be inclined by $\pm 45^\circ$ and slewed by 360°
- Solid, largely dimensioned base plate with slots, heavily ribbed at the rear side (for E 33 T-slots)
- One-piece star grip made of diecast aluminium with soft grip handle
- Easy-to-operate safety switch (IP 54 compliant) with low-voltage release and emergency-stop pushbutton
- 400 volt types additionally with right-/left-handed rotation
- Smooth running and powerful electric motors
- Heavy construction of the whole machine



机床技术参数 / Specification

型号	Model	E 17	E 23	E 26	E 33
货号	Item No	3101700	3102302 (230V)	3102600	3103300
货号	Item No		3102303 (400V)		
电器总容量	Electrical connection				
电机功率	Motor	500W 230V~50Hz	750W 230V/400V~50Hz (400V)	750W 400V~50Hz	1.1KW 400V~50Hz
钻孔直径	Drilling capacity				
钻孔直径	Drilling capacity in steel (St. 37)	Ø16 mm	Ø25 mm	Ø25 mm	Ø30 mm
连续钻孔直径	Continuous drilling cap. steel	Ø12 mm	Ø20 mm	Ø20 mm	Ø25 mm
主轴	Spindle seat				
主轴锥度	Spindle seat	MT2	MT2	MT3	MT4
主轴套筒直径	Spindle sleeve stroke	Ø65 mm	Ø80 mm	Ø85 mm	Ø120 mm
主轴套筒行程	Throat	65 mm	80 mm	85 mm	120 mm
转速	Speeds				
主轴转速	Spindle speeds	500-2520 rpm	200-2440 rpm	200-2440 rpm	120-1810 rpm
转速级数	Number of steps	5 steps	12 steps	12 steps	9 steps
工作台	Drilling table				
工作台尺寸	Table size Length x width	235x220 mm	280x250 mm	330x290 mm	475x425 mm
T型槽	T-slot size	12 mm	12 mm	14 mm	14 mm
工作台倾斜角度	Drilling table inclinable	±45°	±45°	±45°	±45°
工作台旋转角度	Drilling table slewable	360°	360°	360°	360°
主轴端面至工作面最大距离	Distance spindle - table (max.)	325 mm	360 mm	720 mm	695 mm
主轴端面至底座表面最大距离	Distance spindle - stand (max.)	530 mm	610 mm	1230 mm	1180 mm
体积	Dimensions				
立柱尺寸	Column diameter	60 mm	73 mm	80 mm	92 mm
外形尺寸	Length x width x height	600x260x860 mm	650x320x1010 mm	700x350x1670 mm	860x480x1720 mm
包装尺寸	packing size(L×W×H)	680x460x290 mm	815x530x325 mm	1430x545x290 mm	1435x645x325 mm
净重/毛重	Net weight/Gross weight	36.5/40 kg	63.5/66 kg	81/85 kg	132/140 kg

细节展示 Details



- Guaranteed true running accuracy of less than 0.02 mm measured in the drilling spindle
- Drilling spindle with precision ball bearings
- High-quality quick-action drill chuck supplied as standard
- Largely dimensioned, height-adjustable screening grid with safety switch (optional)
- 保证主轴跳动精度小于 0.02mm
- 主轴轴承使用高精度滚珠轴承
- 高质量快换钻夹头作为标准附件
- 钻夹头防护罩尺寸大、高度可调节并带安全开关，有利防护铁屑飞溅和零件滑脱带来的危险（可选）



- Aluminium V-belt pulleys
- Smooth running
- Ground multitooth dog (E 23)
- Considerably better power transmission due to the quality toothed V-belt
- V-belt covering with safety switch (optional)
- 铝皮带轮
- 保证高速平滑运行，减少功率损失
- 高质量盖茨皮带来更好的传动效果
- 皮带轮带安全开关防护（可选）

DRILL PRESS I LINE

钻床 I 13/ I 15/ I 17/ I 20

优质、高效与性价比：

- 厚重结实铸铁制造
- 适用于重型家庭作坊和维修车间及轻工业
- 转速可根据不同加工工件材质（钢，铸铁，铝，木质和塑料）可调
- DRO 数显表用于显示主轴钻深和转速
- 2 只按钮开关（带急停开关）
- 更长的主轴行程，I 13-- 3-1/4" . I 15-17" --5" . I 20 --6"

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Heavy type for home shops, maintenance shops and light industrial applications
- Spindle speeds are adjustable for drilling steel, cast iron, aluminum wood and plastic
- DRO for spindle depth and speed
- 2 button switch with Emergency Off Paddle
- Longer spindle travel, I 13--3-1/4". I 15-17"--5". I 20--6"



- DRO数显表用于显示主轴钻深和转速
- DRO for spindle depth and speed

- 2 只按钮开关（带急停开关）
- 2 button switch with Emergency Off Paddle



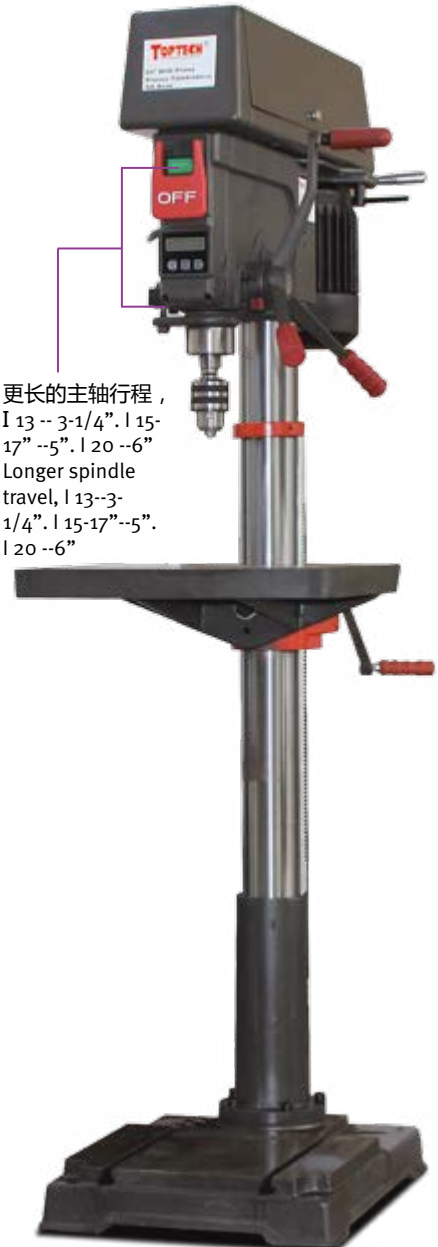
I 13

I 15



I 15 F

I 17 F



I 20 F

- 更长的主轴行程，I 13-- 3-1/4" . I 15-17" --5" . I 20 --6"
- Longer spindle travel, I 13--3-1/4". I 15-17"--5". I 20 --6"

机床技术参数 /Specification

型号	Type	I 13	I 15
货号	Item No.	3101390	3101590
电机参数	Motor	120 V 60 Hz 1/3 HP	120/240 V 60 Hz 1/2 HP
电机转速	Motor speed	1725 rpm	1725 rpm
主轴转速	Spindle speed	244-3386 rpm 16 steps	138-3476 rpm 16 steps
转速范围	Range of RPM	244-3386 rpm	138-3476 rpm
钻夹头型号	Chuck Size	1-13mm (1/2")	1-16mm (5/8")
主轴锥度	Spindle Taper	JT33	MT2
主轴行程	Spindle Travel	3 1/4"	5"
钻孔直径 (铸铁)	Drilling Capacity - Cast Iron	1/2"	5/8"
工作台尺寸	Table Size	8-5/8 x 9-7/16"	11-1/2 x 13"
工作台工作面	Table Work surface (D x W)	8-5/8 x 9-7/16"	11-1/2 x 13"
工作台倾斜	Table Tilt	±45°	±45°
工作台回转	Table Swivel	No	360°
T型槽	T-Slot	14 mm	14 mm
主轴端到工作台表面距离	Distance Spindle to Table	1-1/2 to 16-3/4"	1-5/8" to / 13"
主轴轴线到立柱表面距离	Spindle to column distance	6-5/8"	7-1/2"
立柱直径	Column Diameter	2.34"	2.87"
底座尺寸	Base size (W x D)	9-3/4 x 16-1/2"	10-5/8 x 18-1/8"
底座工作面	Base Work Surface	8-3/8 x 9-3/8"	9-3/8 x 9-3/8"
主轴端到底座表面距离	Max Distance Spindle to Base	22-5/16"	23-1/8"
总高度	Overall Height	38-7/8"	43"
净重	Net Weight	113 lbs.	174 lbs.
毛重	Shipping Weight	123 lbs.	185 lbs.

型号	Type	I 15 F	I 17 F	I 20 F
货号	Item No.	3801590	3801790	3802090
电机参数	Motor	120/240V 60Hz 1/2HP	120/240V 60Hz 1HP	120/240V 60Hz 1-1/2HP
电机转速	Motor speed	1725 rpm	1725 rpm	1725 rpm
主轴转速	Spindle speed	138-3476 rpm 16steps	138-3476 rpm 16steps	120-3605 rpm 16steps
转速范围	Range of RPM	138-3476 rpm	138-3476 rpm	120-3605 rpm
钻夹头型号	Chuck Size	1-16 mm (5/8")	1-16 mm (5/8")	5-20 mm (3/4")
主轴锥度	Spindle Taper	MT2	MT2	MT3
主轴行程	Spindle Travel	5"	5"	6"
钻孔直径 (铸铁)	Drilling Capacity - Cast Iron	5/8"	5/8"	1"
工作台尺寸	Table Size	11-1/2 x 13"	11-1/2 x 13"	16-5/8 x 18-5/8"
工作台工作面	Table Work surface (D x W)	11-1/2 x 13"	11-1/2 x 13"	16-5/8 x 18-5/8"
工作台倾斜	Table Tilt	±45°	±45°	±45°
工作台回转	Table Swivel	360°	360°	No
T型槽	T-Slot	14 mm	14 mm	14 mm
主轴端到工作台表面距离	Distance Spindle to Table	3-1/4 to 26-1/4"	1-1/2 to 25"	4-3/4 to 26-3/8"
主轴轴线到立柱表面距离	Spindle to column distance	7-1/2"	8 1/2"	10"
立柱直径	Column Diameter	2.87"	3.15"	3.62"
底座尺寸	Base size (W x D)	12-3/4 x 19-3/4"	12-3/4 x 19-3/4"	17-5/8 x 22-1/2"
底座工作面	Base Work Surface	10-1/4 x 11"	10-1/4 x 11"	13 x 16"
主轴端到底座表面距离	Max Distance Spindle to Base	46-3/16"	45"	45-3/8"
总高度	Overall Height	66-1/2"	65-1/4"	69-3/4"
净重	Net Weight	193 lbs.	206 lbs.	336 lbs.
毛重	Shipping Weight	204 lbs.	216 lbs.	352 lbs.

WOODWORKING DRILL

木工钻 | I 12 / I 16.5



优质、高效与性价比：

- 强功率电机
- 机械式无级调速
- 钻孔带十字镭射灯定位
- 带主轴转速显示及套筒行程显示（带公英制转换）
- 可调整的钻削深度限位
- 工作台沿齿条可上下移动
- 工作台可带可调位靠栅

Convincing arguments: quality, efficiency and price

- Strong power motor
- Mechanical variable speed
- Drilling hole with cross laser-light for positioning
- Have the display showing spindle speed and sleeve travel, reversible between metric and inch)
- Adjustable drilling depth stop
- Height adjustment of the drilling table via toothed rack
- Table with adjustable support



I 12



I 16.5

机床技术参数 /Specification

型号	Model	I 12	I 16.5
货号	Item No	3101290	3101690
电压参数	Electrical connection (60Hz)	120 V	120 V
电机功率	Motor power	2/3 HP	3/4 HP
主轴	Spindle seat		
主轴锥度	Spindle taper	JT33	MT2
主轴行程	Spindle stroke	60 mm	60 mm
套筒直径	Quill Diameter	1-9/16"	2.05"
钻夹头尺寸	Chuck Size	1-13 mm (1/2")	1-16 mm (5/8")
钻孔能力铸件	Drilling capacity	5/8"	5/8"
转速	Speeds		
主轴转速	Spindle speeds	530-3100 rpm	500-3500 rpm
工作台	Drilling table		
工作台尺寸	Drilling table size length x width	9-1/2" x 9-1/2"	14" x 14"
工作台T型槽宽度	T-slot width	14 mm	14 mm
工作台回转角度	Drilling table turnable	45°	45°
主轴端到工作台距离	Drill chuck -drilling table	16-1/4"	29-1/8"
底座	Machine foot		
底座尺寸	Stand work surface L x W	10-1/2" x 16"	11.22" x 19.6"
底座加工面尺寸	Base Work Surface	9 x 8-5/8"	15-1/8 x 10-1/4"
主轴端到底座距离	Distance drill chuck - machine foot	23"	48-1/2"
尺寸	Dimensions		
立柱直径	Column diameter	2.56"	3.15"
包装尺寸	Packing size	900×470×330 mm	1380×650×270 mm
净重/毛重	N.W./G.W.	42/47 kg	82/90 kg

DRILL PRESS H LINE

钻床 B16H/B24H/B28H/B34H



B34H

1. 自紧式钻夹头可选
Keyless chuck Optional

· 快换退刀可方便更换刀具
(仅限 B28H/B34H)
· Easy for take out the
tools(only B28H/B34H)



· 回转型工作台 (可选)
· Swivel working table (For
optional)



8. 回水过滤装置 (可选)
Backwater filtration
device (for optional)



B28H

可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12(B24H/B28H/B34H)
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT2/9PCS
14.5-30mm MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ100 (B16H/B24H) TQ140(B28H/B34H)
7. 冷却装置
8. 回水过滤装置 (B28H/B34H)

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12(B24H/B28H/B34H)
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT2/9PCS
14.5-30mm MT3/9PCS 14.5-30mm
6. Drilling vice TQ100 (B16H/B24H)
TQ140(B28H/B34H)
7. Coolant system
8. Backwater filtration device (B28H/B34H)





B24H



B16H

标准附件

- 钻接杆 MT2/B16(B24H)
MT3/B16(B28H) MT4/B16(B34H)
- 钻夹头 3-16mm/B16

Standard accessories

- Drill chuck taper MT2/B16(B24H)
MT3/B16(B28H) MT3/B16(B34H)
- Drill chuck 3-16mm/B16

机床技术参数 /Specification

型号	Model	B16H	B24H	B28H	B34H
产品编号	Code No.	3201600	3202400	3202800	3203400
电压	Electrical connection	400 V /3 Ph ~50 Hz	230V/1Ph - 400V/3Ph	400 V/3 Ph ~50 Hz	400 V/3 Ph ~50 Hz
加工范围	CAPACITY				
钻孔直径	Drilling capacity (max.)	Ø16 mm	Ø24 mm	Ø28 mm	Ø34 mm
工作范围	WORKING RANGE				
套筒直径	Sleeve diameter	Ø47 mm	Ø47 mm	Ø52 mm	Ø68 mm
套筒行程	Sleeve travel	65 mm	85 mm	107 mm	160 mm
主轴	SPINDLE HOLDING FIXTURE				
主轴锥度	Spindle holding fixture	MT2	MT2	MT3	MT4
主轴中心线至立柱表面距离	Distance spindle-column	132.5 mm	164 mm	200 mm	285.5 mm
速度	SPEEDS				
主轴转速	Spindle speeds	450-3500 rpm	350-4000 rpm	260-4075 rpm	145-480 orpm
转速级数	Number of steps	5 steps	7 steps	16 steps	9x2 steps
工作台	DRILLING TABLE				
工作台尺寸(长×宽)	Table size(L×W)	230×245 mm	280×300 mm	340×360 mm	426×400 mm
T型槽尺寸	T-slot size	12 mm	14 mm	14 mm	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	370 mm	445 mm	927 mm	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	260×362 mm	280×264 mm	364×320 mm	388×370 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	485 mm	595 mm	1282 mm	1025 mm
电机	ELECTRIC SUPPLY				
电机功率	Motor	550 W	850 W	850 W	2.2/1.5 KW
外形尺寸及重量	DIMENSIONS AND WEIGHT				
外形尺寸	size(L×W×H)	541×370×848 mm	665×435×1000 mm	715×450×1720 mm	918×585×1895 mm
包装尺寸	packing size(L×W×H)	600×360×1000 mm	760×440×1170 mm	770×500×1940 mm	965×600×2140 mm
净重/毛重	Net weight/Gross weight	55/70 kg	92/116 kg	142/178 kg	260/313 kg

VARIABLE SPEED DRILLING MACHINE

无级变速钻床 B16HV/B24HV/B28HV/B34HV

B 34 H Variable

Operating mode "Auto"

In the automatic mode, the engine will start automatically upon lifting the lever and stops in the initial position. This way, it is not necessary to press the push button Start and Stop for repeated drilling tasks



Operating mode "Threading"

The motor is being activated by moving the star grip downward. The turning direction is changed by pressing the end switch on the adjustable drilling depth stop

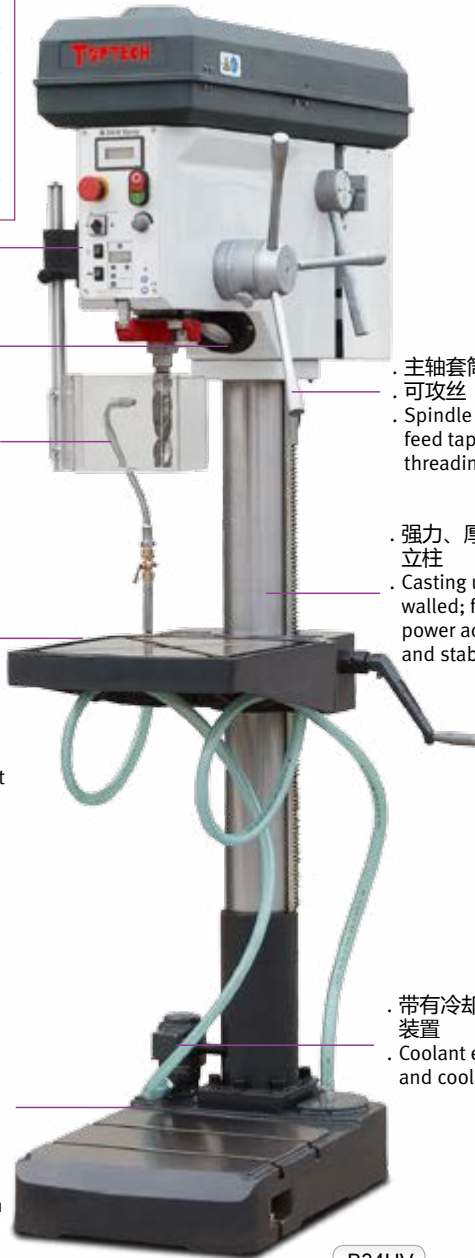
B34H Variable

操作模式 "自动"

在这种自动模式下，只有一提升手柄，机器就会自动启动，并且停在初始位置。这种方式下，没有必要按按钮启动和停止进行重复钻削工作。

操作模式 "攻丝"

将星形把手向下移动的时候激活电机。按动可调钻深限位上的终端开关可以改变转动方向。



- 内置工作灯
- Halogen lamp

主轴保护

- 带微型开关、高度可调的钻夹头防护罩
- Spindle protection with micro switch and highly adjustable chuck cover

钻削工作台

- 大尺寸、精加工
- 带横向运动 T 型槽
- 背面加强筋
- 通过齿条调节高度
- 360° 旋转
- Drilling table
- Largely dimensioned, solid and precisely machined
- Transversally running T-slot
- Heavily ribbed at the backside
- Height-adjustable via toothed rack
- Rotation of 360° through its own axis and about the upright

底座

- 带 T 型槽
- 精加工
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid with T-slots
- Precisely machined
- May be used for extra high work pieces with the work table slewed to one side

- 主轴套筒进给可攻丝
- Spindle sleeve feed tapping and threading

- 强力、厚壁的铸铁立柱
- Casting upright hick walled; for a high power admission and stability

- 带有冷却箱的冷却装置
- Coolant equipment and coolant tank

- 1. 自紧式钻夹头可选
- Keyless chuck Optional

- 8. 回水过滤装置 (可选)
- Backwater filtration device (for optional)



B28HV

B34HV

标准附件

- 一体式钻夹头 3-16mm/B16
- 自紧钻夹头 1-16mm/B16
- 大尺寸防护罩
- 冷却装置

Standard accessories

- Direct quick-action drill chuck 3-16mm/B16
- Keyless chuck 1-16mm/B16
- Largely dimensioned chuck cover
- Coolant system

可选附件

1. 变径套 MT3/MT2 (B28HV/B34HV) MT4/MT3 (B34HV)
2. 钻接杆 MT2/B16 MT3/B16 MT4/B16
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. 回水过滤装置 (B28HV/B34HV)

OPTIONAL EQUIPMENT

1. Reduction bush MT3/MT2 (B28HV/B34HV) MT4/MT3 (B34HV)
2. Drilling chuck taper MT2/B16 MT3/B16 MT4/B16
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. Backwater filtration device (B28HV/B34HV)



· 主轴升降整体操作手柄
· One-piece spindle sleeve feed handle of working

· 照明工作灯
· Drilling light

· 大尺寸可调互锁钻夹头防护罩
· Largely dimensioned, height adjustable screening lid with interlock switch chuck cover

· 手摇齿条升降工作台
· 对角 T 型槽
· Table height adjustment via toothed rack for optional
· Precisely machined with diagonally running T-slots

· 重型 T 形槽底座
· 将工作台向一边回转可在底座
· 上放置大型工件
· Solid mounting base with T-slots, heavily ribbed at the backside
· May be used for extra high workpieces with the worktable slewed to one side



· 铝皮带轮保证高速平滑运行
· 减少功率损失
· V 型带可达到 10000 小时的工作寿命
· High running smoothness due to aluminum belt pulleys with grinded multitooth driving dogs
· Considerably less power loss than with standard belts
· Guaranteed service life of the V-belts
· 10000 working hours

· 快速张紧 V 型带装置 (专利独创)
· Quick clamping device to tight the V-belt(patented create)

1. 自紧式钻夹头可选
Keyless chuck Optional

· 工作台双锁紧
· Double clamping of the table

· 高强度铸铁立柱
· Iron casting column

B24HV

机床技术参数 /Specification

型号	Model	B16HV	B24HV	B28HV	B34HV
产品编号	Code No.	3401600	3402400	3402800	3403400
电压	Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
加工范围	CAPACITY				
钻孔直径	Drilling capacity (max.)	Ø16 mm	Ø24 mm	Ø28 mm	Ø34 mm
工作范围	WORKING RANGE				
套筒直径	Sleeve diameter	Ø47 mm	Ø47 mm	Ø52 mm	Ø68 mm
套筒行程	Sleeve travel	65 mm	85 mm	107 mm	160 mm
主轴	SPINDLE HOLDING FIXTURE				
主轴锥度	Spindle holding fixture	MT2	MT2	MT3	MT4
主轴中心线至立柱表面距离	Distance spindle-column	132.5 mm	164 mm	200 mm	285.5 mm
速度	SPEEDS				
主轴转速	Spindle speeds	90-6000 rpm	100-5950 rpm	35-5600 rpm	40-5000 rpm
转速级数	Number of steps	5 steps	4 steps	12 steps	9 steps
工作台	DRILLING TABLE				
工作台尺寸 (长×宽)	Table size(L×W)	230×245 mm	300×280 mm	358×340 mm	426×400 mm
T型槽尺寸	T-slot size	12 mm	14 mm	14 mm	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	370 mm	445 mm	927 mm	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	260×362 mm	280×264 mm	364×320 mm	388×390 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	485 mm	595 mm	1282 mm	1025 mm
电机	ELECTRIC SUPPLY				
电机功率	Motor	1.5KW /230V/50Hz	1.5KW/230V/50Hz	1.5KW/230V/50Hz	2.2KW /230V/50Hz
外形尺寸及重量	DIMENSIONS AND WEIGHT				
外形尺寸 (长×宽×高)	size(L×W×H)	550×370×850 mm	665×435×1000 mm	705×475×1755 mm	918×595×1930 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	600×360×1000 mm	755×440×1175 mm	765×500×1940 mm	970×600×2140 mm
净重/毛重	Net weight/Gross weight	67/82 kg	96/122 kg	166/202 kg	275/328 kg

VARIABLE SPEED DRILLING MACHINE



无级变速钻床 DH 18V

优质、高效、高性价比

- 机械方面，更换了原有的齿轴升降部件，采用了新型的刻度圈限位结构—运用单向滚针轴承来进行限位，省去了原有的繁琐结构
- 重新设计了升降手柄，外形新颖，简单实用
- 电器方面，采用了高度集成的薄膜开关板，使得操作更加方便，替换了原有的控制原件，减少了故障率，更加可靠
- 功能增加了深度显示、钻孔深度调控以及攻丝功能
- 升级了电器控制箱，通过了EMC认证，更加安全可靠

Convincing arguments: quality, efficiency and price

- Cancel the original part of gear shaft up & down, but use now new structure of graduated ring for limit (to limit with one-way needle bearing instead of original complicated structure)
- New-designed the up & down handle is more nice and more easy for operation
- Highly-integrated touch panel is more convenient for operation and instead of original control components so reduce the failure rate which is more reliable
- Have additional function (such as depth display, drilling-depth adjust and tapping)
- Use the updated electric-cabinet and pass the EMC test already which is more safety and reliable

皮带驱动

- 铝皮带轮和盖茨皮带保证功率强劲
- 抛光齿轮带来平顺运转

Belt drive

- Best possible force transmission thanks to aluminium pulleys in combination with GATES quality toothed belts
- Smooth action thanks to polished multi-tooth carrier

带OLED显示屏，清晰可见读数

- 主轴转速
- 深度显示(目标深度和实际深度)

Easily readable display field with OLED display

- Spindle speed
- Depth display (target/actual)

钻削工作台

- 精加工
- 带横向运动T型槽
- 360° 旋转
- 环形冷却剂管道

Drilling table

- Precise workmanship
- Diagonal T-slot
- 360° rotating
- Circumferential coolant channel

底座

- 坚固耐用
- 大尺寸
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Generously dimensioned
- May be used for extra high work pieces with the work table slewed to one side

强劲的无刷驱动

- 运转特别平顺
- 功率非常强劲
- 整个转速范围扭矩稳定

Powerful brushless drive

- Particularly smooth action
- Extremely powerful
- Virtually constant torque over the entire speed range

同心度

- 保证主轴套筒处同心度在0.015 mm内

Concentricity

- Guaranteed less than 0.015 mm measured at the drilling spindle sleeve



DH 18V

机床技术参数 /Specification

型号	Model	DH 18V
货号	Item no.	3401800
电压	Motor	230 V 50 Hz
电机功率	Motor power	1.5 KW
钢制品(S235JR)切削量	Drilling capacity in steel (S235JR)	Ø18 mm
钢制品(S235JR)连续切削量	Continuous drilling capacity in steel (S235JR)	Ø13 mm
钢制品(S235JR)攻丝量	Threading in steel (S235JR)	M12
主轴行程	Spindle stroke	65 mm
主轴类型	Spindle seat	MT2
主轴中心到立柱表面距离	Throat	132 mm
主轴转速	Spindle speeds	100-6000 rpm
档位	Number of steps	5
工作台尺寸	Work surface table length x width	230x245 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	12 mm/90°/2
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	0-370 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	485 mm
底座尺寸	Work surface stand length x width	200x240 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	12 mm/80 mm/2
立柱直径	Column diameter	Ø60 mm
机床尺寸	Length x Width x Height	550x370x850 mm
机床总重	Total weight	64 kg

DRILLING

标准附件

- 自紧式钻夹头0.3-13mm/MT2
- 退刀楔GJ-19
- T型螺母M10

Standard accessories

- Keyless chuck 0.3-13mm/MT2
- drill drift GJ-19
- T-type nut M10

可选附件: 这个可以根据客户的要求来配, 可以是整套的六角扳手, 或者是实用的工具箱, B16H/HV 的可选附件都可以用。

Optional accessories: This is according to the requirement from customer. It could be full set of hexagon wrench or tool box, also we can use the same optional accessories from B16H/HV.

VARIABLE SPEED DRILLING MACHINE



无级变速钻床 DH 24BV/28BV/34BV/40BV

优质、高效、高性价比

- 内置自动卸刀装置，换刀简单方便
- 正反反转开关
- 钻削深度限位可调
- 钻削深度数显表，显示精确度为0.01mm (DH34BV)
- 工作灯
- 高精度钻夹头

Convincing arguments: quality, efficiency and price

- Easy tool change due to integrated drill drift (from DH 28BV)
- Right-/left-hand rotation
- Adjustable drill depth stop
- Digital depth gauge, accuracy of the display 0.01 mm (DH34BV)
- Machine lamp
- High quality precision drill chuck

高同心度

- 小于0.015mm的精密同心度

High concentricity precision

- Due to taper roller bearings less than 0.015 mm measured in the spindle sleeve

钻夹头防护罩

- 最大限位保护用户的安全
- 高度可调
- 带微动开

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch

控制面板

- 速度数字显示
- 操作模式 / 转动方向选择开关

Control panel

- Digital speed display
- Selector switch operating mode/rotating direction

工作灯

- 内置在钻床头中
- 卤素灯

Machine lamp

- Integrated in the drill head
- Halogenlamp

铸铁立柱

- 壁厚
- 高强度
- 坚固耐用

Casting column

- Thick-walled
- High power admission
- Solid

工作台

- 大尺寸
- 坚固耐用
- 带横向运动T型槽
- 背面加强筋

Drilling table

- Largely dimensioned
- Solid
- Transversally running T-slots
- Heavily ribbed at the rear side

底座

- 工作台转向一边即可加工超高尺寸工件
- 坚固耐用
- 精加工

Base plate

- Usable as a working surface for extra high workpieces due to therotatable drill table
- Solid
- Precisely machined at the surface



DH 24BV



DH 28BV

机床技术参数 /Specification

型号	Model	DH 24BV	DH 28BV	DH 34BV	DH 40BV
货号	Item no.	3502480	3502880	3503480	3504080
电压	Motor	0.85/1.5 kW 400 V/3Ph	0.85/1.5 kW 400 V/3Ph	1.5/2.4 kW 400 V/3Ph	1.5/2.4 kW 400 V/3Ph
电机功率	Motor power	0.5/1.5 KW	0.85/1.5 KW	1.5/2.2 KW	1.5/2.2 KW
钢制品(S235JR)切削量	Drilling capacity in steel (S235JR)	Ø24 mm	Ø28 mm	Ø34 mm	Ø34 mm
钢制品(S235JR)连续切削量	Continuous drilling capacity in steel (S235JR)	Ø20 mm	Ø24 mm	Ø26 mm	Ø26 mm
主轴行程	Spindle stroke	85 mm	105 mm	160 mm	160 mm
主轴类型	Spindle seat	MT 2	MT 3	MT 4	MT 4
主轴中心到立柱表面距离	Throat	165 mm	200 mm	285 mm	285 mm
主轴转速	Spindle speeds	300-4000 rpm	300-4000 rpm	300-4000 rpm	150-2000 rpm
工作台尺寸	Work surface table length x width	280x300 mm	340x358 mm	400x426 mm	400x426 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14 mm/90°/2	14 mm/90°/2	14 mm/90°/2	14 mm/90°/2
工作台旋转	Drilling table turnable	360°	360°	360°	360°
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	0-445 mm	0-927 mm	0-790 mm	0-790 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	595 mm	1282 mm	1025 mm	1025 mm
底座尺寸	Work surface stand length x width	264x280 mm	350x320 mm	410x450 mm	410x450 mm
立柱直径	Column diameter	Ø80 mm	Ø92 mm	Ø115 mm	Ø115 mm
机床尺寸	Length x Width x Height	755x440x1175 mm	765x500x1940 mm	975x600x2120 mm	975x600x2120 mm
净/毛重	N.W/G.W	115/139 kg	152/186 kg	270/320 kg	275/328 kg

标准附件

- 钻接杆
- 钻夹头3-16mm

Standard accessories

- Drill chuck taper
- Drill chuck 3-16mm



可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ100 (DH24BV) TQ140(DH28BV/DH34BV)
7. 冷却装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. Drilling vice TQ100 (DH24BV) TQ140(DH28BV/DH34BV)
7. Coolant system

机械无级变速 Mechanical variable speed driver

- 无级变速驱动
- 机床功率大,而运转时噪音控制很好
- 皮带经久耐用
- 易学易操控
- 机运转过程中可更换速度
- Reliably by manual speed adjustment
- Powerful quiet operation
- Long-lived belt
- manageable technique
- Speed change during the course of the machine

可选附件 OPTIONAL EQUIPMENT



BENCH DRILLING MACHINE DX TYPE

台式钻床 DX13V / DX15V / DX17V

优质、高效、高性价比(仅DX17V)

- 铝皮带轮功率强劲
- 带急停按钮
- 精度滚珠轴承，钻削有力
- 保证主轴套筒处同心度在0.03 mm内
- 卡盘防护罩带微动开关，高度可调

Convincing arguments: quality, efficiency and price(only DX17V)

- Best power transmission due to aluminium belt pulleys
- Emergency-stop push button
- Drilling spindle with precision ball bearings
- Guaranteed concentricity less than 0.03 mm measured at the drilling
- Height adjustable chuck guard with microswitch

DX 13V:

- 薄膜开关按键，防水防脏，易清洁
- EMC 滤波器 B 级（家庭私人使用）
- 机头高度可调

DX 13V:

- Membrane keyboard, dirt/water-resistant , easy to clean
- EMC filter class B (use in private households)
- Drill head height adjustable

DX 15V:

- 薄膜开关按键，防水防脏，易清洁
- EMC 滤波器 B 级（家庭私人使用）
- 带工作台
- 带 MT 转接杆

DX 15V:

- Membrane keyboard, dirt/water-resistant , easy to clean
- EMC filter class B (use in private households)
- Drilling table
- MT Adapter

DX 17V:

- 薄膜开关按键，防水防脏，易清洁，带高对比度 LED 显示屏
- 带攻丝模式
- 显示屏带语言选择功能，可选择德语、英语、法语和俄罗斯语
- 带数字零位参考点功能
- 带计数功能
- 钻销深度限位声音报警
- 攻丝模式带减速功能
- 带西门子变频器 SINAMICS V20
- 机头左右内嵌防炫目 LED 灯

DX 17V:

- Dirt- and water-resistant, easy-to-clean membrane keyboard with highcontrast OLED display
- Thread tapping mode
- Language selection in display field, choice of DE-EN-FR-RUS
- Digital zero point
- Digital parts counter
- Audible signal on reaching drilling depth
- Reduced speed in thread tapping mode
- Siemens frequency inverter SINAMICS V20
- Anti-glare LED lighting on the left and right, integrated into the drilling head



DX13V

有刷电机 Brush motor
无级变速 Variable speed



DX15V

变频电机 Inverter motor
无级变速 Variable speed



DX17V

机床技术参数 / Specification

型号	Model	DX13V	DX15V	DX17V
货号	Item No	3301300	3301500	3301700
电压参数	Electrical connection	230 V/1 ph/50 Hz	230 V/1 Ph/50 Hz	230 V/1 Ph/50 Hz
电机功率	Motor power	850 W	850 W	1 kW
钻孔直径	Drilling capacity			
钢件(S235JR)钻孔直径	Drilling capacity in steel (S235JR)	Ø13 mm	Ø16 mm	Ø16 mm
钢件连续钻孔直径	Continuous drilling cap. steel	Ø13 mm	Ø13 mm	Ø13 mm
钢件(S235JR)攻丝直径	Thread cutting in steel (S235JR)	/	/	M8
主轴座	Spindle seat			
主轴中心到立柱表面距离	Throat depth	235 mm	235 mm	235 mm
主轴锥度	Spindle seat	B16	MT2	MT2
主轴行程	Spindle stroke	60 mm	60 mm	60 mm
转速	Speeds			
主轴转速	Spindle speeds	100-3000 rpm	100-3000 rpm	50-4000 rpm
工作台	Drilling table			
工作台尺寸	Drilling table size length x width	/	290x290 mm	290x290 mm
工作台T型槽尺寸/距离/数量	T-slot size / number / distance	/	10 mm/2/100 mm	10 mm/2/100 mm
工作台回转角度	Drilling table turnable	/	360°	360°
主轴端到工作台距离	Drill chuck -drilling table	/	125 mm	125 mm
底座	Machine foot			
底座尺寸	Stand work surface L x W	290x280 mm	290x280 mm	290x280 mm
底座T型槽尺寸/距离/数量	T-slot size / number / distance	14 mm/2/100 mm	14 mm/2/100 mm	14 mm/2/100 mm
主轴端到底座距离	Distance drill chuck - machine foot	300 mm	300 mm	300 mm
尺寸	Dimensions			
立柱直径	Column diameter	Ø60 mm	Ø60 mm	Ø60 mm
外形尺寸	Length x width x height	475x425x880 mm	475x425x910 mm	475x425x910 mm
包装尺寸	Packing size	540x420x1035 mm	540x420x1060 mm	540x420x1100 mm
净重/毛重	N.W./G.W.	51/65.1 kg	66/83 kg	73/85 kg



控制面板
Control pannel



VARIABLE SPEED DRILLING MACHINE

工业无级变速钻床 B30BS

优质、高效、高性价比

- 减震高速大功率电机
- 主轴使用精确滚珠轴承
- 套筒行程125mm
- 工作台沿齿条可上下移动
- 可调整的钻削深度限位
- 紧急停止开关
- 钻削深度数显表，公英制转换，精确度为0.01mm
- 可调透明互锁钻夹头防护罩

Convincing arguments: quality, efficiency and price

- Smooth running and high performance electro motor
- Drilling spindle with precise ball bearings
- Large sleeve travel of 125 mm
- Height adjustment of the drilling table via toothed rack
- Adjustable drilling depth stop
- EMERGENCY-STOP-switch
- Digital depth gauge, accuracy of the display 0.01 mm, reversible mm/inch
- Height adjustable screening grid with interlock switch for best possible protection of the user

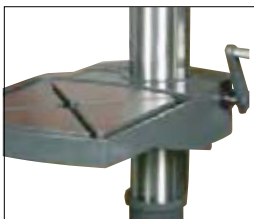
- 退刀器可方便更换钻头及其他工具
- Simple tool change by ejection mechanism



- 钻孔深度数显表精确为 0.01mm
- Digital depth gauge accuracy of the display 0.01 mm

- 钻削深度限位块
- Drill depth stop

- 高强度铸铁立柱
- Thick-walled cast upright for high power compensation and stability



- 大尺寸高刚性对角 T 行槽工作台
- Largely dimensioned, solid drilling table, precisely machined, with diagonally running T-slots, heavily ribbed at the back side

- 重型 T 型槽底座
- 将工作台向一边回转可在底座上放置大型工件
- Solid base plate with T-slots, precisely machined surface by swivelling the table, it can be used as working surface for extremely high workpieces

- 大功率电机
- 无级变速
- Powerful motor
- Vario speed (infinitely variable)

- 急停开关
- Emergency-Stop button
- 调速旋钮
- change speed button

- 工作灯
- Machine lamp

- 可调互锁防护罩
- Height adjustable screening grid with interlock switch for best possible protection of the user

- 工作台升降齿条
- Height adjustable via toothed rack

- 7. 回水过滤装置 (可选)
- Backwater filtration device (for optional)



B30BS

机床技术参数 /Specification

型号	Model	B30BS
产品编号	Code No.	3403000
加工范围	CAPACITY	
钻孔直径	Drilling capacity (max.)	ø30 mm
工作范围	WORKING RANGE	
套筒直径	Sleeve diameter	ø62 mm
套筒行程	Sleeve travel	125 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	MT3
主轴中心线至立柱表面距离	Distance spindle-column	285 mm
速度	SPEEDS	
主轴转速	Spindle speeds	30-3800 rpm
转速级数	Number of steps	4 x 2 steps
工作台	DRILLING TABLE	
工作台尺寸 (长×宽)	Table size(L×W)	426×400 mm
T型槽尺寸	T-slot size	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	388×390 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1025 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.2 KW /230 V/50 Hz
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	693×534×1850 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	855×600×2110 mm
净重/毛重	Net weight/Gross weight	295/344 kg

标准附件

- 钻接杆 MT3/B16
- 钻夹头 3-16mm/B16

Standard accessories

- Drill chuck taper MT3/B16
- Drill chuck 3-16mm/B16

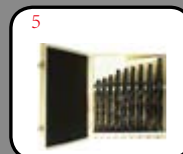
可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ140
7. 回水过滤装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT3/9PCS 14.5-30mm
6. Drilling vice TQ140
7. Backwater filtration device

可选附件 OPTIONAL EQUIPMENT



DRILLING MACHINE

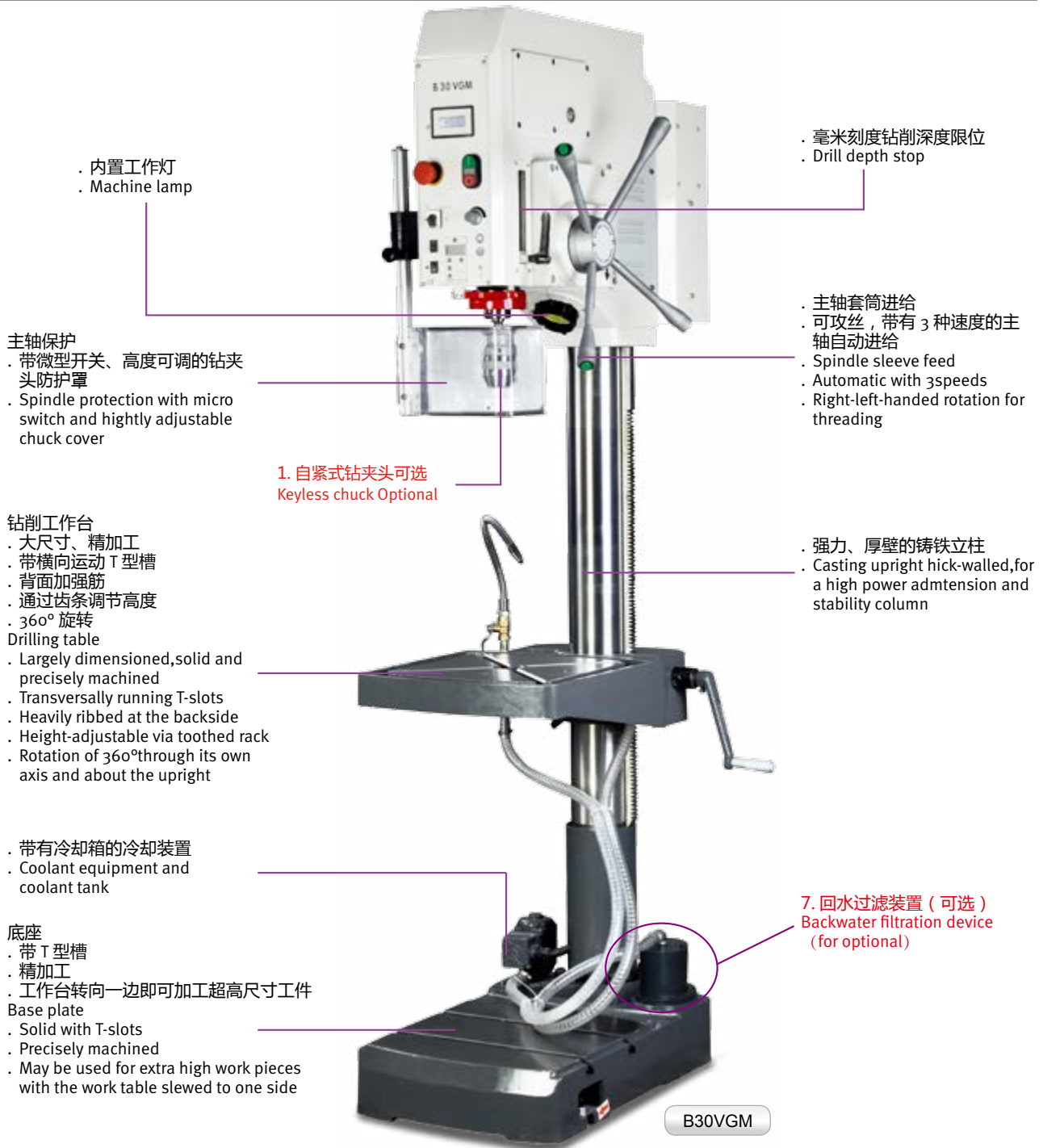
钻床 B 30VGM

优质、高效、高性价比

- 床身厚重结实铸铁制造
- 铸铁立柱大尺寸、壁厚，运转平稳、性能稳定
- 主轴经淬火、精加工，同心度高
- 攻丝功能，主轴自动进给
- 可锁式主开关、以及带安全保护的电机开关
- 主轴自动卸刀装置，换刀简单方便
- 钻夹头防护罩尺寸大、高度可调节并带微调开关,有利防护铁屑飞溅和零件滑落带来的危险

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned thick-walled steel column upright
- High concentricity precision due to hardened and ground work spindle
- Threading attachment, Spindle power feeder
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill for a simple tool change
- Height-adjustable screening grid with micro switch to prevent from parts flying off, for best possible protection of the user



· 内置工作灯
· Machine lamp

· 毫米刻度钻削深度限位
· Drill depth stop

主轴保护
· 带微型开关、高度可调的钻夹头防护罩
· Spindle protection with micro switch and height adjustable chuck cover

· 主轴套筒进给
· 可攻丝，带有 3 种速度的主轴自动进给
· Spindle sleeve feed
· Automatic with 3 speeds
· Right-left-handed rotation for threading

1. 自紧式钻夹头可选
Keyless chuck Optional

钻削工作台
· 大尺寸、精加工
· 带横向运动 T 型槽
· 背面加强筋
· 通过齿条调节高度
· 360° 旋转
Drilling table
· Largely dimensioned, solid and precisely machined
· Transversally running T-slots
· Heavily ribbed at the backside
· Height-adjustable via toothed rack
· Rotation of 360° through its own axis and about the upright

· 强力、厚壁的铸铁立柱
· Casting upright thick-walled, for a high power admtnsion and stability column

· 带有冷却箱的冷却装置
· Coolant equipment and coolant tank

7. 回水过滤装置 (可选)
Backwater filtration device (for optional)

底座
· 带 T 型槽
· 精加工
· 工作台转向一边即可加工超高尺寸工件
Base plate
· Solid with T-slots
· Precisely machined
· May be used for extra high work pieces with the work table slewed to one side

B30VGM

机床技术参数 /Specification

型号	Model	B30VGM
产品编号	Code No.	3413000
加工范围	CAPACITY	
钻孔直径	Drilling capacity (max.)	Ø30 mm
工作范围	WORKING RANGE	
套筒直径	Sleeve diameter	Ø62 mm
套筒行程	Sleeve travel	125 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	MT3
主轴中心线至立柱表面距离	Distance spindle-column	285 mm
速度	SPEEDS	
主轴转速	Spindle speeds	L:80-700 rpm M:200-1700 rpm H:400-3000 rpm
转速级数	Number of steps	3 steps
进给量	Autom.spindle sleeve feed	0.1/0.15/0.2 mm/rev
工作台	DRILLING TABLE	
工作台尺寸 (长×宽)	Table size(L×W)	426×400 mm
T型槽尺寸	T-slot size	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	388×390 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1025 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.5 KW 230 v/50 Hz
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	735×600×1915 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	855×600×2110 mm
净重/毛重	Net weight/Gross weight	302/366 kg

标准附件

- 钻接杆 MT3/B16
- 钻夹头 3-16mm/B16

Standard accessories

- Drill chuck taper MT3/B16
- Drill chuck 3-16mm/B16

可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ140
7. 回水过滤装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT3/9PCS 14.5-30mm
6. Drilling vice TQ140
7. Backwater filtration device

可选附件 OPTIONAL EQUIPMENT



DRILLING MACHINE

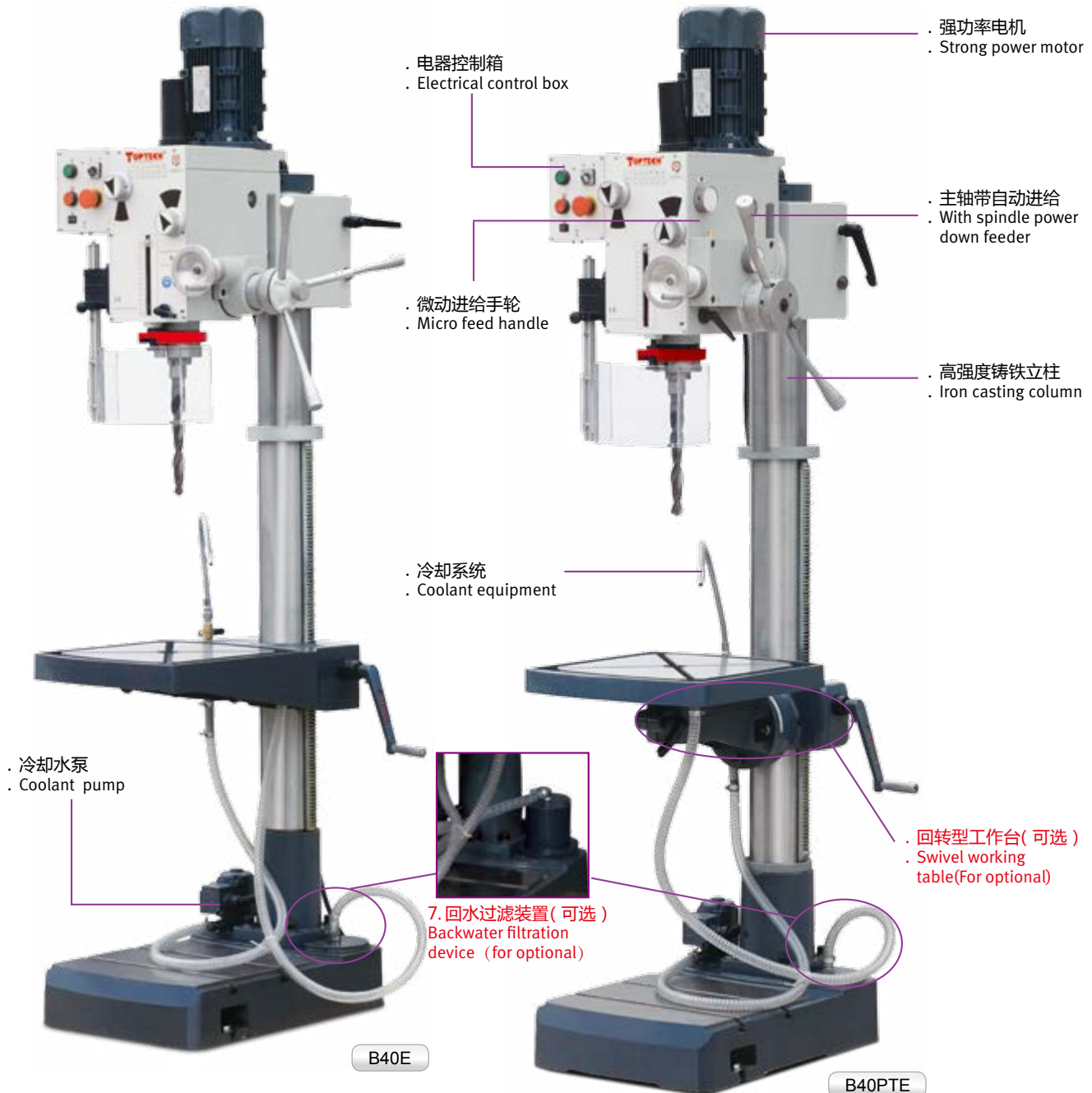
钻床 B 40E/B40PTE

优质、高效、高性价比

- 铸铁结构 结实耐用
- 通过手轮精确进给的主轴套筒，方便实用
- 钻削工作台大尺寸、结实耐用、加工精密，
- 带有T-型槽，背部强筋加固，双夹持
- 通过前端的换挡手柄实现轻易变速
- 星形把手主轴套筒进给
- 耦合器用以实现由手动粗进给转换为手动精进给
- 厚壁铸铁立柱，令加工操作平滑稳定
- 工作台通过齿条调节高度
- 冷却装置
- 机头高度可通过齿条调节
- 主轴套筒自动走刀，加工方便快捷
- 旋转工作台

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Spindle sleeve fine infeed via handwheel, easy to use
- Largely dimensioned drilling table, solid and precisely machined with transversally running T-slots, heavily ribbed at the backside and double clamping
- Easy speed change via gear shifting lever at the front
- Spindle sleeve feed via star grip (B 40 E)
- Coupler to change from manual rough feed to manual fine feed
- Thick-walled cast-iron upright for high smooth running and stability
- Height adjustment of table via toothed rack
- Coolant equipment
- Machine head adjustable via toothed rack B 40 PTE:
- Automatic sleeve feed allows easy working
- Swiveling drilling table



机床技术参数 /Specification

型号	Model	B40E	B40PTE
货号	Code No.	3304000	3314000
钻孔能力	Drilling CAPACITY		
钻孔直径	Drilling capacity in steel	Ø32 mm	
连续钻孔直径	Continuity drilling cap.steel	Ø25 mm	
套筒行程	Sleeve travel	120 mm	
主轴套筒直径	Spindle sleeve diameter	Ø75 mm	
工作范围	Working range	285 mm	
主轴锥度	SPINDLE		
主轴锥度	Spindle taper	MT4	
速度	SPEEDS		
主轴转速	Spindle speeds	95-3200 rpm	
转速级数	Number of steps	2x6 steps	
工作台尺寸	Working surface table LxW	426x400 mm	
T型槽尺寸	T-slot size	14 mm	
工作台回转角度	Drilling table slewable	-360°	
主轴端面到工作台面的最大距离	Distance spindle-table(max.)	855 mm	
床脚尺寸	Working surface stand LxW	388x390 mm	
主轴到床脚距离	Distance spindle-stand(max.)	1215 mm	
立柱直径	Upright diameter	Ø115 mm	
电机	ELECTRIC SUPPLY		
电机功率	Driving power	1.1/1.5 KW 400 V~50 Hz	
冷却泵功率	Coolant pump	40 W	
外形尺寸及重量	DIMENSIONS AND WEIGHT		
包装尺寸	Packing size	755x620x2010 mm 760x620x2000 mm	
净重/毛重	N.W./G.W.	288/336 kg 302/360 kg	

标准附件

- 操作工具
- 快换钻夹头

Standard accessories

- Operating tools
- Quick-action drill chuck

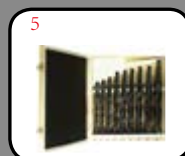
可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ100/TQ140
7. 回水过滤装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT3/9PCS 14.5-30mm
6. Drilling vice TQ100/TQ140
7. Backwater filtration device

可选附件 OPTIONAL EQUIPMENT



GEAR HEAD DRILLING MACHINE

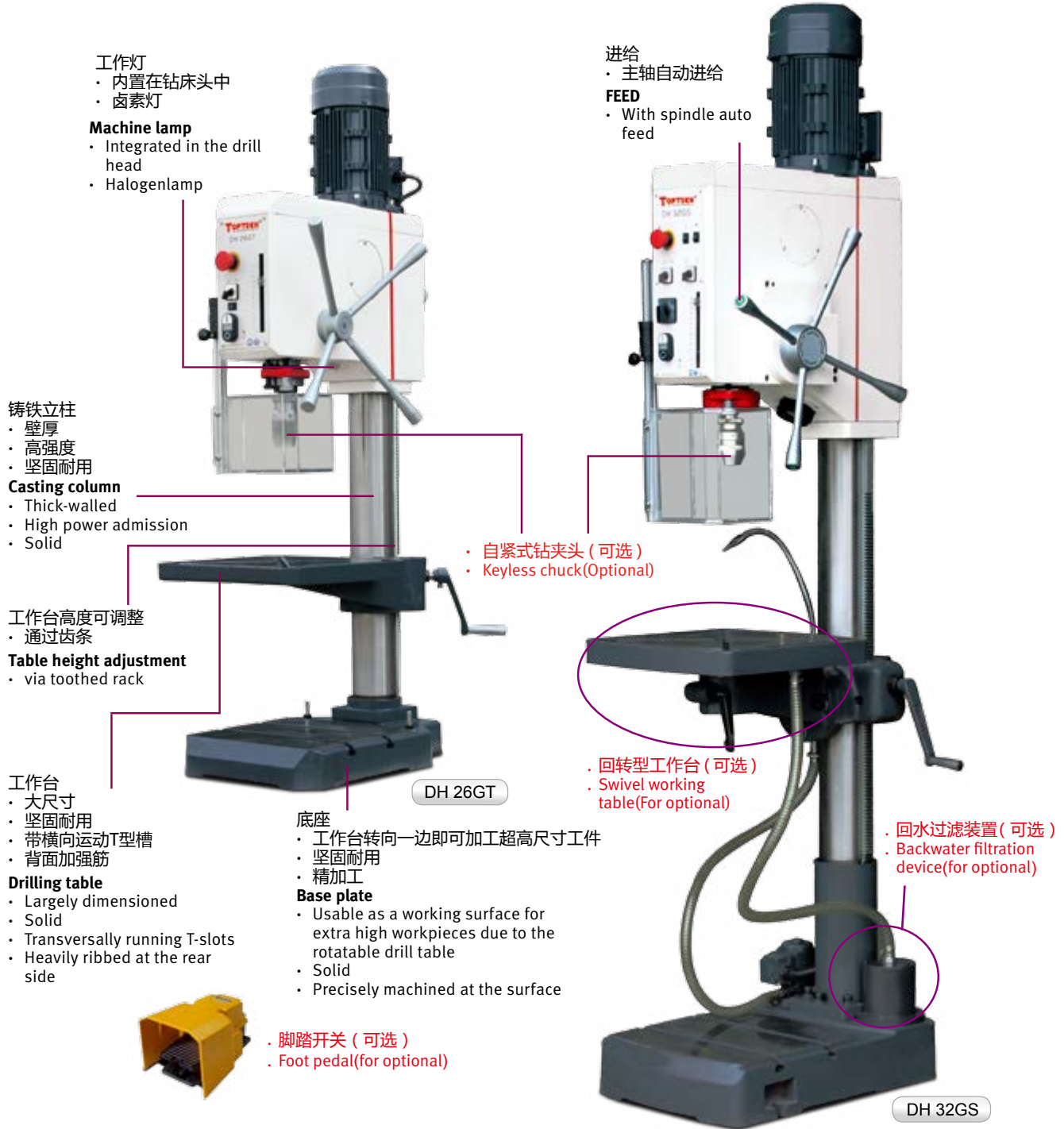
钻床 DH26GT/DH28GS/DH32GS

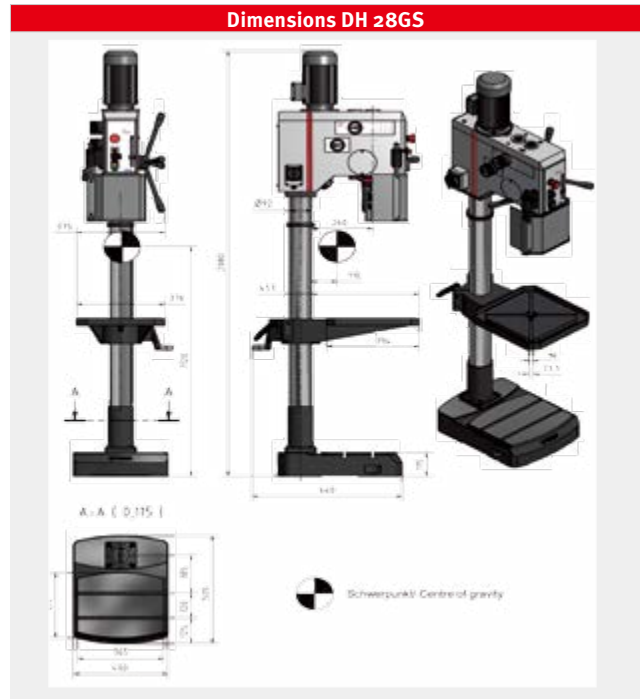
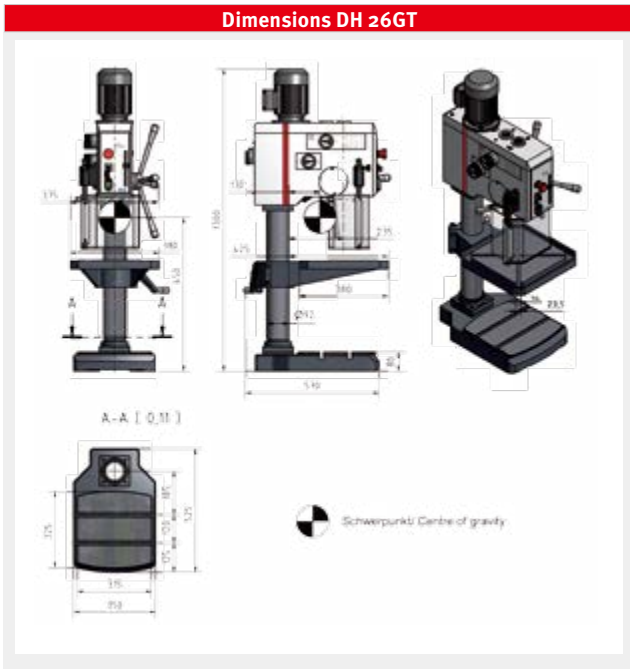
优质、高效、高性价比

- 床身厚重结实铸铁制造
- 铸铁立柱大尺寸、壁厚，运转平稳、性能稳定
- 主轴经淬火、精加工，同心度高
- 精加工铝皮带轮保证高速平滑运行
- 转速范围较宽
- 钻夹头防护罩尺寸大、高度可调节并带微调开发，有利防护铁屑飞溅和零件滑落带来的危险
- 钻夹头防护最大限度地保护使用者
- 内置工作灯
- DH28GS和DH32GS带冷却装置

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- High true running accuracy due to hardened and ground work spindle
- Smooth running due to aluminum pulleys with ground multi
- Wide speed range
- Height-adjustable spindle protection with microswitch to prevent chips and parts
- Spindle protection for best possible protection of the user
- Integrated Machine lamp
- DH28GS and DH 32 GS with coolant equipment





机床技术参数 /Specification

型号	Model	DH26GT	DH28GS	DH32GS
货号	Item no.	3312680	3322880	3323280
电机	Electrical connection			
电压	Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
主电机功率	Total connexion ~50 Hz	1.1/1.5 kW	1.1/1.5 kW	1.5/2.2KW
钻孔能力	Drilling capacity			
最大钻孔能力(钢件)	Drilling capacity in steel (S235JR)	Ø 26 mm	Ø 28 mm	Ø 32 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 24 mm	Ø 25 mm	Ø 30 mm
主轴	Spindle seat			
主轴锥度	Spindle taper	MT 3		MT4
主轴套筒行程	Spindle sleeve stroke	235 mm	260 mm	285 mm
转速	Speeds			
主轴转速	Spindle speeds	75 / 150 rpm 250 / 500 rpm 420 / 840 rpm 1450 / 2900 rpm		75 / 110 rpm 240 / 360 rpm 420 / 620 rpm 1330 / 2000 rpm
工作台	Drilling table			
工作台尺寸	Working surface table Length x width	380 x 380 mm	376 x 394 mm	400 x 420 mm
T型槽尺寸	T-slot size	14 mm	14 mm	14 mm
工作台旋转角度(可选)	Drilling table turnable(for optional)	360°	360°	360°
主轴端面至工作台面最大距离	Distance spindle - table (max.)	450 mm	933 mm	822
主轴端面至底座最大距离	Distance spindle - stand (max.)	610 mm	1300 mm	1270 mm
底座尺寸	Working surface stand	322 x 320 mm	322 x 356 mm	420 x 393 mm
尺寸	Dimensions			
立柱直径	Column diameter	Ø 92 mm	Ø 92 mm	Ø 115 mm
包装尺寸(长×宽×高)	packing size(L×W×H)	725x500x1600 mm	2070x480x845 mm	2240x550x990 mm
净重/毛重	Net weight/Gross weight	158/184 kg	175/230 kg	312/378 kg

细节展示 Details



- 主轴自动卸刀装置, 换刀方便
- Spindle locking with integrated drill drift:**
- for a simple tool change



- 齿轮
- 8级转速75-2' 900rpm
- Gear**
- 8 speeds 75 - 2'900 rpm

GEAR HEAD DRILLING MACHINE



钻床 DH26GTV/28GSV/32GSV

面板

- 良好的薄膜键盘
- 数字速度显示

Front panel

- User-friendly membrane keyboard
- Digital speed display



DH 26GTV

钻夹头防护罩

- 最大限位保护用户的安全
- 高度可调
- 带微动开关

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch



- 脚踏开关 (可选)
- Foot pedal (for optional)



DH 28GSV

工作灯

- 内置在钻床头中
- 卤素灯

Machine lamp

- Integrated in the drill head
- Halogen lamp

铸铁立柱

- 壁厚
- 高强度
- 坚固耐用

Casting column

- Thick-walled
- High power admission
- Solid

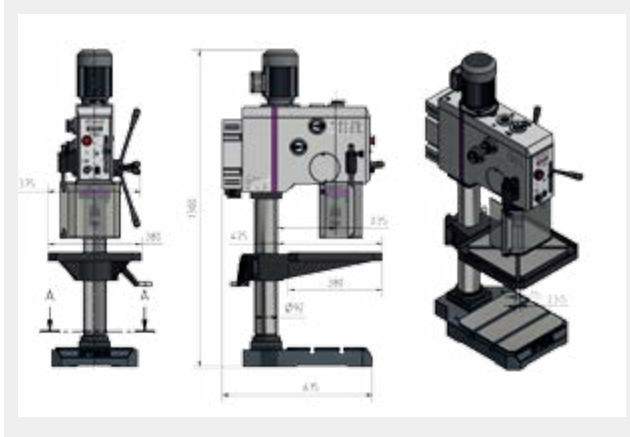
工作台

- 大尺寸
- 坚固耐用
- 带横向运动T型槽
- 背面加强筋

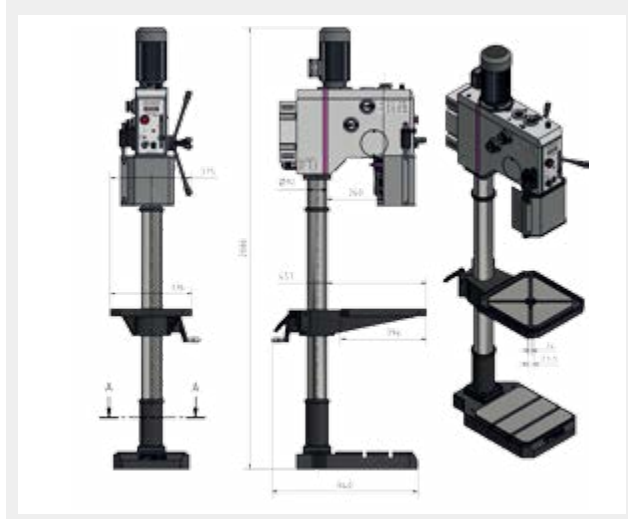
Drilling table

- Largely dimensioned
- Solid
- Transversally running T-slots
- Heavily ribbed at the rear side

Dimensions DH 26GTV



Dimensions DH 28GSV



机床技术参数 /Specification

型号	Model	DH 26GTV	DH 28GSV	DH32GSV
货号	Item no.	3412600	3422800	3423280
机器参数	Machine datas			
插头电源	Electrical connection	230 V 50 HZ 1 PH	400 V 50 HZ 3 PH	400 V 50 HZ 3 PH
电机功率	Motor power	1.5 KW	1.5 KW	2.2 KW
冷却泵电机	Motor coolant pump	/	/	40 W
钻孔能力	Drilling capacity			
钢制品切削量	Drilling capacity in steel (S235JR)	Ø 26 mm	Ø 28 mm	Ø 32 mm
钢制品连续切削量	Continuous drilling capacity in steel(S235JR)	Ø 24 mm	Ø 25 mm	Ø 30 mm
主轴	Spindle seat			
主轴行程	Spindle stroke	127 mm	127 mm	125 mm
主轴类型	Spindle seat	MT3	MT3	MT4
主轴中心到立柱表面距离	Throat	235 mm	260 mm	285 mm
主轴自动走刀	Automatic spindle sleeve feed	/	/	0.1/.005 mm/rev
转速	Speeds			
主轴转速	Spindle speed	45-165 rpm 150-550 rpm 250-925 rpm 870-3200 rpm	45-165 rpm 150-550rpm 250-925 rpm 870-3200 rpm	50-160 rpm 160-530 rpm 280-920 rpm 900-3000 rpm
档位	Gear stages/Steps	4档变速+变频调速	4档变速+变频调速	4档变速+变频调速
工作台	Drilling table			
工作台尺寸	Table work surface length x width	380×380 mm	376×394 mm	400×420 mm
T型槽尺寸	T-slot size T	14 mm	14 mm	14 mm
工作台旋转	Rotatable drilling table			
主轴到工作台距离	Distance spindle - table	max. 450 mm	max. 875 mm	max. 822 mm
主轴到底座距离	Distance spindle - stand	max. 610 mm	max. 1200 mm	max. 1270 mm
底座尺寸	Stand work surface length x width	320×322 mm	350×322 mm	420×393 mm
尺寸	Dimensions			
立柱直径	Column diameter	Ø 92 mm	Ø 92 mm	Ø 115 mm
机床尺寸	Dimensions	725×500×1600 mm	2070×480×890 mm	2240×550×990 mm
净重/毛重	Total weight	168/194 kg	184/242 kg	303/369 kg

DRILLING MACHINE



钻床 DH35G/DH45G/DH55G

优质、高效、高性价比

- 铸铁结构，结实耐用
- 铸铁立柱大尺寸、壁厚，运转平稳、性能稳定
- 通过油泵自动齿轮润滑
- 主轴经淬火、精加工，同心度高
- 齿轮打磨，保证运转平稳，性能稳定
- 攻丝机构
- 可锁式主开关，以及带安全保护的电机开关
- 主轴自动卸刀装置，换刀简单方便
- 带机械 3 级可调主轴套筒进给

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- Automatic gearwheel lubrication via oil pump
- High true running accuracy due to hardened and ground work spindle
- High smooth running due to grinded gearwheels
- Threading mechanism
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill drift for a simple tool change
- With mechanic, 3-fold adjustable spindle sleeve feed



DH 35G

- ### 冷却装置
- 连续的
 - 分体式冷却箱
 - 冷却箱体积为7升
 - 排量是12升/分钟

- ### Coolant equipment
- Serial
 - Coolant tank on the base
 - Tank capacity 7 litres
 - Delivery volume 12 l/min.



DH 45G

主轴转速

- 通过机头前部齿轮拨档手柄调速，可调8速
- 90-1520 rpm

Spindle speed

- 8 selectable speeds via gear shifting lever at the front of the drill head
- 90-1520 rpm

主轴套筒进给

- 自动
 - 3档，0.1,0.15,0.2毫米/转
- ### spindle sleeve feed
- Automatic
 - 3 steps, 0.1,0.15,0.2 mm/rev

正反旋转

- 当攻丝的时候
- ### Right-/left handed rotation
- when threading

工作灯：内置在机头内

- ### Machine lamp
- Integrated in the drill head

工作台

- 大尺寸
- 结实耐用
- 加工紧密
- 带T型槽
- 背部强筋加固
- 工作台通过齿条调节高度
- 360度旋转

Drilling table

- Largely dimensioned
- Solid
- Precisely worked
- Transversally running T-slots
- Heavily ribbed at the rear side
- Height-adjustable via toothed rack
- Rotation of 360° through its own axis and about the column

过滤器

- 清洁及过滤的冷却液
- ### Chip filter
- Cleans the coolant from rough components

底座

- 结实耐用
- 带T型槽
- 工作面精加工
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Parallel running T-slots
- Precisely machined surface
- Usable as a working surface for extra high workpieces due to the rotatable drill table

机床技术参数 /Specification

型号	Model	DH 35G	DH 45G	DH 55G
货号	Item no.	3323500	3324500	3325500
电压	Electrical connection	400 V	400 V	400 V
电机功率	Motor power	1.5/2.2 KW	2.2 KW	2.8/2.2 KW
水泵电机功率	Motor coolant pump	0.1 kW	0.1 kW	0.1 kW
钢制品(ST60 - E335)切削量	Drilling capacity in steel (ST60 - E335)	Ø35 mm	Ø40 mm	Ø50 mm
钢制品连续切削量	Continuous drilling capacity in steel	Ø26 mm	0.15 mm	0.15 mm
钢制品(ST60 - E335)攻丝量	Threading in steel (ST60 - E335)	M24	M24	M42
主轴行程	Spindle stroke	125 mm	170 mm	200 mm
主轴类型	Spindle seat	MT4	MT4	MT4
主轴中心到立柱表面距离	Throat	285 mm	350 mm	405 mm
主轴自动走刀	Automatic spindle sleeve feed	0.1,0.15,0.2 mm/rev	0.1,0.15,0.2 mm/rev	0.1,0.15,0.2 mm/rev
主轴转速	Spindle speeds	40-3000 rpm	90-1520 rpm	45-2000 rpm
档位	Number of steps	8 steps	8 steps	16steps
工作台尺寸	Work surface table length x width	400x420 mm	530x530 mm	600x600 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14/36-305/4	16/125/3	18/160/3
工作台最大载荷	Load drilling table	200 kg	250 kg	350 kg
工作台旋转	Drilling table turnable	NO	YES	YES
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	65-800 mm	130-725 mm	130-725 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	1217 mm	1210 mm	1300 mm
底座尺寸	Work surface stand lengthxwidth	660x420 mm	755x480 mm	910x600 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14/150/2	18/150/2	18/150/2
立柱直径	Column diameter	Ø115 mm	Ø150 mm	Ø200 mm
机床尺寸	Length x Width x Height	2175x450x725 mm	2195x480x850 mm	/
包装尺寸	packing size	2240x550x990 mm	2440x770x1110 mm	/
净重/毛重	Net weight/Gross weight	350/420 kg	560/625 kg	930 kg

标准附件 (DH45G)

- 莫氏锥柄钻头 MT4/B16
- 自紧式钻夹头 1-16 mm/B16
- Standard accessories(DH45G)
- Morse taper MT4/B16
- Keyless chuck 1-16 mm/B16

可选附件 (DH45G)

1. 快换钻夹头 MT4/1-16mm
2. 变径套 MT4-MT3
3. 钻接杆 MT4-B16
4. 麻花钻套装 Ø1-13mm
5. 夹紧工具 SPW12
6. 攻丝夹头 M5-M12
7. 机用平口钳 BSI 140/200
8. 脚踏开关

OPTIONAL EQUIPMENT(DH45G)

1. Quick-action drill chuck MT4/1-16 mm
2. Reducing bushes MT 4 - MT 3
3. Drilling chuck taper MT 4 - B16
4. Twist drill kit coated with titanium Ø 1-13 mm
5. Clamping tool kit SPW 12
6. Tapping chuck M5-M12
7. Machine vices BSI 140/200
8. Foot pedal



VARIABLE SPEED DRILLING MACHINE

无级变速钻床 DH 45V

NEW

速度显示表
speed display

正反旋转
• 当攻丝的时
Right-/left handed rotation
• when threading

工作台
• 大尺寸
• 结实耐用
• 加工紧密
• 背部强筋加固
• 自动升降
Drilling table
• Largely dimensioned
• Solid
• Precisely worked
• Heavily ribbed at the rear side
• Table with power up & down

冷却装置
• 连续的
• 底座内置冷却箱
• 冷却箱体积为7升
• 排量是12升/分钟
Coolant equipment
• Serial
• Coolant tank integrated in the base plate
• Tank capacity 7 litres
• Delivery volume 12 l/min.

主轴转速
• 通过机头前部齿轮换挡手柄调速, 可调8速
90-1520 rpm
Spindle speed
• 8 selectable speeds via gear shifting lever at the front of the drill head
90-1520 rpm

主轴套筒进给
• 自动
• 3档, 0.1,0.15,0.2毫米/转
spindle sleeve feed
• Automatic
• 3 steps, 0.1,0.15,0.2 mm/rev

工作灯: 内置在机头内
Machine lamp
• Integrated in the drill head

过滤器
• 清洁粗糙部件处出来的冷却液
Chip filter
• Cleans the coolant from rough components

底座
• 结实耐用
• 带T型槽
• 工作面精加工
• 工作台转向一边即可加工超高尺寸工件
Base plate
• Solid
• Parallel running T-slots
• Precisely machined surface
• Usable as a working surface for extra high workpieces due to the rotatable drill table

DH 45V

机床技术参数 /Specification

型号	Model	DH 45V
货号	Item no.	3404500
电压	Electrical connection	400 V
电机功率	Motor power	2.2 KW
水泵电机功率	Motor coolant pump	0.1 KW
钢制品(ST60 - E335)切削量	Drilling capacity in steel (ST60 - E335)	40
钢制品连续切削量	Continuous drilling capacity in steel	0.15
钢制品(ST60 - E335)攻丝量	Threading in steel (ST60 - E335)	M35
主轴行程	Spindle stroke	170 mm
主轴类型	Spindle seat	MT4
主轴中心到立柱表面距离	Throat	350 mm
主轴自动走刀	Automatic spindle sleeve feed	3 steps/0.1-0.2 mm/rev
主轴转速	Spindle speeds	30-2430 rpm
档位	Number of steps	4 step vario
工作台尺寸	Work surface table length x width	530x530 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	16/125/3
工作台最大载荷	Load drilling table	250 kg
工作台旋转	Drilling table turnable	YES
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	130-725 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	1210 mm
底座尺寸	Work surface stand length x width	755x480 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	18/150/2
立柱直径	Column diameter	ø150 mm
机床尺寸	size(L×W×H)	2280x480x850 mm
包装尺寸	packing size(L×W×H)	2540x770x1110 mm
净重	N.W	560 kg

DRILLING MACHINE

钻床 DRILLING 45/45E

优质、高效、高性价比

- 铸铁结构, 结实耐用
- 铸铁立柱大尺寸、壁厚, 运转平稳、性能稳定
- 通过油泵自动齿轮润滑
- 主轴经济火、精加工, 同心度高
- 齿轮打磨, 保证运转平稳, 性能稳定
- 攻丝机构
- 可锁式主开关, 以及带安全保护的电机开关
- 主轴自动卸刀装置, 换刀简单方便
- Drilling 45 带机械 2 级可调主轴套筒进给
- Drilling 45E 带电磁主轴套筒进给

Convincing arguments: quality, efficiency and price

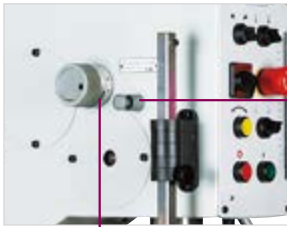
- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- Automatic gearwheel lubrication via oil pump
- High true running accuracy due to hardened and ground work spindle
- High smooth running due to grinded gearwheels
- Threading mechanism
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill drift for a simple tool change
- DRILLING 45 with mechanic, 2-fold adjustable spindle sleeve feed
- DRILLING 45E with electromagnetic spindle sleeve feed

主轴转速

- 通过机头前部齿轮换挡手柄调速, 可调9速
- 两级驱动电机
- 18速 50-1'450 rpm

Spindle speed

- 9 selectable speeds via gear shifting lever at the front of the drill head
- Two-stage driving motor
- 18 speeds 50 - 1'450 rpm



内置换刀楔卸刀方便

- 插入换刀楔
 - 按动星形把手向上
 - 锥形心轴退出主轴
- Easy tool change due to integrated drill drift:**
- Insert drill drift
 - Press star grip upwards
 - The taper mandrel is pressed out of the drilling spindle

主轴套筒进给

- 自动
 - 2档, 0.1/0.2毫米/转
- spindle sleeve feed**
- Automatic
 - 2 steps, 0.1/0.2 mm/rev

钻夹头防护罩

- 最大限位保护用户的安全
- 高度可调
- 带微动开

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch

工作台

- 大尺寸
- 结实耐用
- 加工紧密
- 带T型槽
- 背部强筋加固
- 工作台通过齿条调节高度
- 360度旋转

Drilling table

- Largely dimensioned
- Solid
- Precisely worked
- Transversally running T-slots
- Heavily ribbed at the rear side
- Height-adjustable via toothed rack
- Rotation of 360° through its own axis and about the column

底座

- 结实耐用
- 带T型槽
- 工作面精加工
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Parallel running T-slots
- Precisely machined surface
- Usable as a work surface for extra high workpieces due to the rotatable drill table



控制箱

- 布局清晰
- Control cabinet**
- Clearly arranged structure

钻削深度限位

- 使用刻度尺调节
- Drilling depth stop**
- Adjustable using the millimetre scale

正反旋转

- 当攻丝的时候
- Right-/left handed rotation**
- when threading

工作灯: 内置在机头内

- 集成在机头内
- Machine lamp**
- Integrated in the drill head

铸件立柱

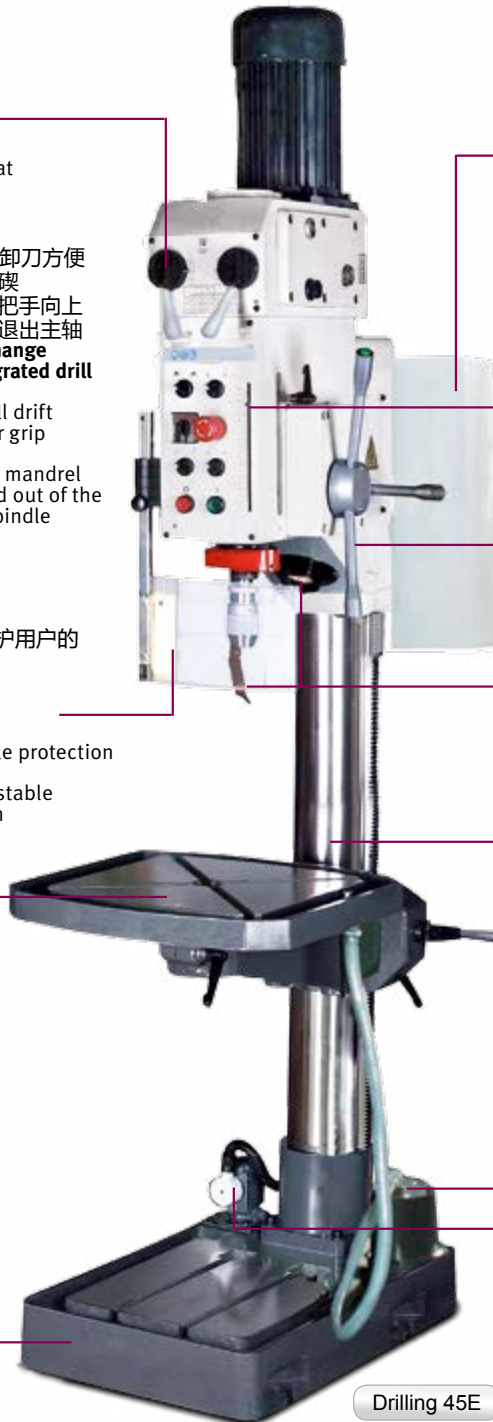
- 厚壁
 - 高强度
 - 稳定可靠
- Casting column**
- Thick-walled
 - High power absorption
 - Stable

过滤器

- 清洁粗糙部件处出来的冷却液
- Chip filter**
- Cleans the coolant from rough components

冷却装置

- 连续的
 - 底座内置冷却箱
 - 冷却箱体积为5升
 - 排量是2升/分钟
- Coolant equipment**
- Serial
 - Coolant tank integrated in the base plate
 - Tank capacity 5 litres
 - Delivery volume 2 l/min.



Drilling 45E

机床技术参数 /Specification

型号	Model	Drilling 45 Drilling 45E
产品编号	Code No.	3304500 3334500
加工范围	CAPACITY	
钻孔直径	Drilling capacity (max.)	∅45 mm
攻丝直径	Threading in steel (max.)	M20
工作范围	WORKING RANGE	
主轴直径	Sleeve diameter	∅75 mm
主轴套筒行程	Sleeve travel	180 mm
主轴	SPINDLE	
主轴锥度	Spindle taper	MT4
主轴中心线至立柱表面距离	Distance spindle-column	350 mm
速度	SPEEDS	
主轴转速	Spindle speeds	50-1450 rpm
转速级数	Number of steps	9 steps
工作台	DRILLING TABLE	
工作台尺寸(长×宽)	Table size(L×W)	560x560 mm
T型槽尺寸	T-slot size	18 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	770 mm
底座尺寸(长×宽)	Working surface stand(L×W)	730x405 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1320 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	0.85/1.5 KW
外形尺寸及重量	DIMENSIONS AND WEIGHT	
包装尺寸(长×宽×高)	packing size(L×W×H)	2270x690x1100 mm
净重/毛重	Net weight/Gross weight	480/615 kg



DRILLING

标准附件

- 莫氏锥柄钻头 MT4
- 自紧式钻夹头
- Standard accessories
- Morse taper MT4
- Keyless chuck

可选附件

1. 快换钻夹头 MT4/1-16mm
2. 变径套 MT4-MT3
3. 钻接杆 MT4-B16
4. 麻花钻套装 ∅1-13mm
5. 夹紧工具 SPW12
6. 攻丝夹头 M5-M12
7. 机用平口钳 MSO 125/150,BMS 150/200, BSI 140/200
8. 脚踏开关

OPTIONAL EQUIPMENT

1. Quick-action drill chuck MT4/1-16 mm
2. Reducing bushes MT 4 - MT 3
3. Drilling chuck taper MT 4 - B16
4. Twist drill kit coated with titanium ∅ 1-13 mm
5. Clamping tool kit SPW 12
6. Tapping chuck M5-M12
7. Machine vices:MSO 125/150,BMS 150/200,BSI 140/200
8. Foot pedal



DRILLING MACHINE

钻床 DRILLING 50

优质、高效、高性价比

- 铸铁结构, 结实耐用
- 铸铁立柱大尺寸、壁厚, 运转平稳、性能稳定
- 通过油泵自动齿轮润滑
- 主轴经淬火、精加工, 同心度高
- 齿轮打磨, 保证运转平稳, 性能稳定
- 攻丝机构
- 可锁式主开关, 以及带安全保护的电机开关
- 主轴自动卸刀装置, 换刀简单方便
- Drilling 50 带电磁主轴套筒进给

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- Automatic gearwheel lubrication via oil pump
- High true running accuracy due to hardened and ground work spindle
- High smooth running due to grind- ed gearwheels
- Threading mechanism
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill drift for a simple tool change
- Drilling 50 with electromagnetic spindle sleeve feed

- 钻削深度限位**
- 使用刻度尺调节
 - 毫米尺度
- Drilling depth stop**
- Adjustable
 - Millimetre scale

- 主轴套筒进给**
- 通过手轮
- Spindle sleeve fine feed**
- Via handwheel

- 内置退刀碟**
- 弹射结构, 换刀更简单方便
- Integrated drill drift**
- Easy tool change due to ejection mechanism

- 工作台**
- 大尺寸
 - 结实耐用
 - 加工精密
 - 带T型槽
 - 背部强筋加固
 - 工作台通过齿条调节高度
 - 360度旋转
 - 冷却剂通道
- Drilling table**
- Largely dimensioned
 - Solid
 - Precisely worked
 - Transversally running T-slots
 - Heavily ribbed at the rear side
 - Rotation of 360° through its own axis and about the column
 - Coolant channel

- 底座**
- 工作台转向一边即可加工超高尺寸工件
 - 结实耐用
 - 带T型槽
 - 工作面精加工
- Base plate**
- Usable as a working surface for extra high workpieces due to the rotatable drill table
 - Solid
 - Parallel running T-slots
 - Precisely machined at the surface

- 主轴套筒进给**
- 自动
 - 按动星形手柄上的按钮激活
- Spindle sleeve feed**
- Automatic
 - Infeed is activated by means of push buttons in the star grip



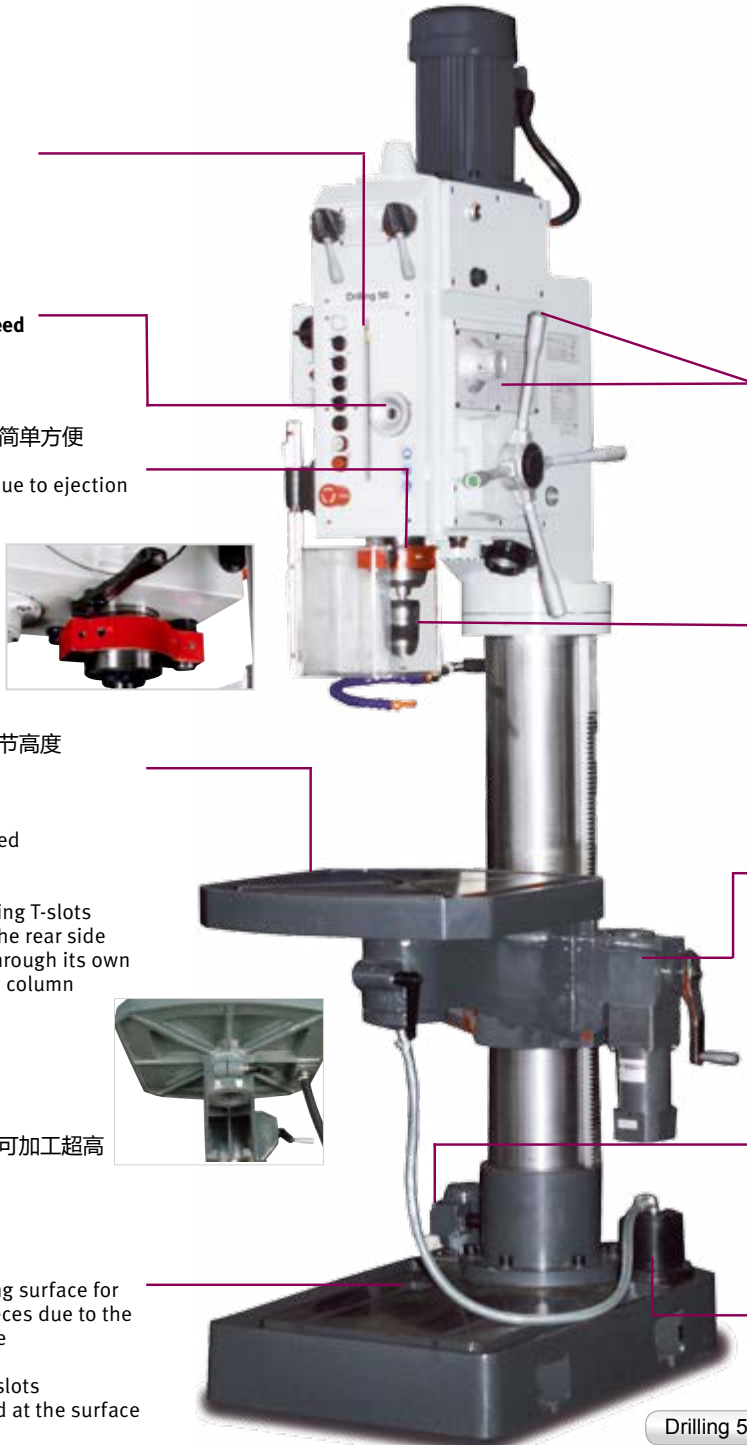
- 深度钻削或打孔时, 自动主轴套筒进给耦合器可在启动主轴进给开关的时候开启或者关
- For deep drillings or pocket hole drillings, the coupler of the automatic spindle sleeve feed can be opened or closed at any time by actuating the spindle feed switch

- 钻夹头防护罩**
- 最大限位保护用户的安全
 - 高度可调
 - 带微动开关
- Chuck guard**
- Best possible protection of the user
 - Height-adjustable
 - Micro switch

- 新的**
- 电动工作台高度可调
- New**
- Motor table height adjustment

- 冷却装置**
- 连续的
 - 底座内置冷却箱
 - 冷却箱体积为5升
 - 排量是2升/分钟
- Coolant equipment**
- Serial
 - Coolant tank integrated in the base plate
 - Tank capacity 5 litres
 - Delivery volume 2 l/min.

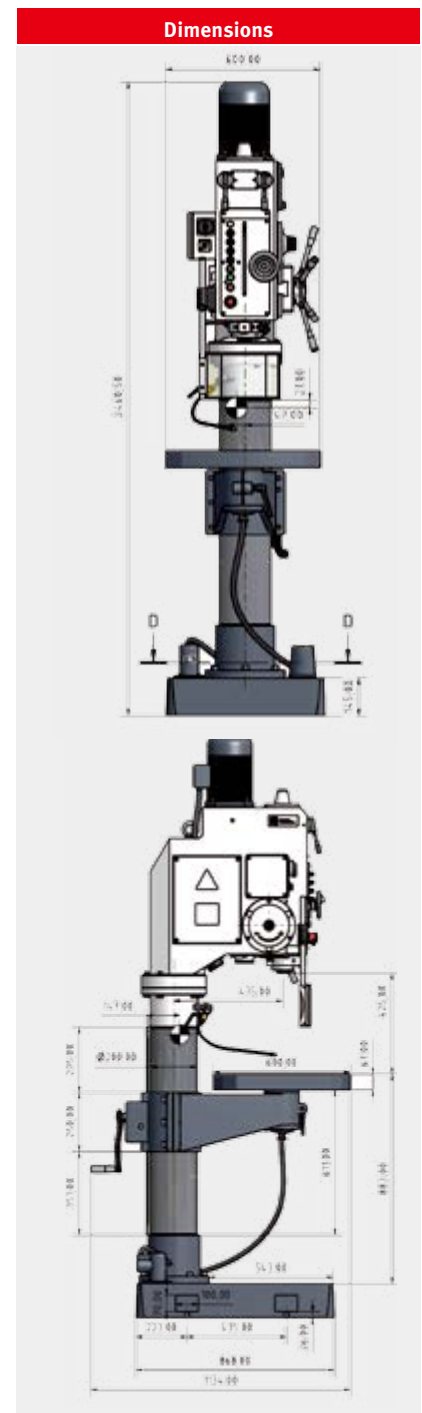
- 过滤器**
- 清洁粗糙部件处出来的冷却液
- Chip filter**
- Cleans the coolant from rough components



Drilling 50

机床技术参数 / Specification

型号	Type	Drilling 50
产品编号	Item No	3305000
电器容量	Electrical connection	
主电机功率	Total connected value	3.0 / 2.4 kW 400 V / 3 Ph ~50 Hz
冷却泵电动功率	Motor coolant pump	40 W
加工范围	Drilling capacity	
钻孔直径	Drilling capacity in steel (S235JR)	Ø 50 mm
连续钻孔直径	Continuous drilling capacity in steel	Ø 45 mm
攻丝直径	Thread cutting in steel	M 42
主轴	Spindle seat	
主轴套筒行程	Spindle sleeve stroke	230 mm
主轴锥度	Spindle taper	MT 4
孔径	Throat	Ø375 mm
自动主轴进给	Autom. spindle sleeve feed	6 steps, 0.05/0.3 mm/rev
速度	Speeds	
主轴转速	Spindle speeds	54 - 2090 rpm
转速级数	Number of steps	18 steps
工作台	Drilling table	
工作台尺寸	Work surface table length x width	600 x 600 mm
T型槽尺寸	T-slot size	18 mm
工作台最大负载	Load drilling table	400 kg
工作台旋转	Drilling table slewable	360°
主轴端面至工作台面最大距离	Distance spindle - table (max.)	800 mm
底座工作面尺寸	Working surface stand length x width	600 x 520 mm
主轴端面至底座最大距离	Distance spindle - stand (max.)	1300 mm
尺寸	Dimensions	
立柱尺寸	Column diameter	Ø200 mm
包装尺寸 (长x宽x高)	Length x width x height	1134 x 600 x 2460 mm
总重量	Total weight	950 kg



标准附件

- 莫氏锥柄钻头 MT4
- 钻夹头
- 快换钻夹头 0-16mm
- T型槽

Standard accessories

- Morse taper MT4
- Drill chuck
- Quick-action drill chuck 0-16mm
- T-slots

可选附件

1. 快换钻夹头 MT4/1-16mm
2. 变径套 MT4-MT3
3. 钻接杆 MT4-B16
4. 麻花钻套装 MT3
5. 夹紧工具 SPW16
6. 攻丝夹头 M5-M12

OPTIONAL EQUIPMENT

1. Quick-action drill chuck MT4/1-16 mm
2. Reducing bushes MT 4 - MT 3
3. Drilling chuck taper MT 4 - B16
4. Twist drill kit HSS incl. Morse taper MT3
5. Clamping tool kit SPW 16
6. Tapping chuck M5-M12



DM 35 / DM 50 / DM 35PF

Premium magnetic core drill machine offers maximum feature set. DM 35PF with automatic spindle sleeve feed and return

- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ High magnetic holding force
- ▶ Overload protection
- ▶ Soft-start is gentle on the motor and prolongs the service life
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Internal self-lubrication function for a longer service life of the gear unit
- ▶ Magnetic foot has a wear-proof design to extend the service life of the magnetic base and thus the maximum magnetic holding force

DM 35PF

- ▶ MT collet for core bits with Weldon shank
- ▶ Spindle sleeve feed
- ▶ Return to starting position
- ▶ Quick clamping chuck in standard scope of delivery

Motor

- › Powerful motor with high torque and low-maintenance

Coolant tank

- › Detachable coolant tank
- › External fastening
- › Well-designed and practical

Guides

- › Safe guides for stability and precision

Housing

- › Compact and robust

Handles

- › Ergonomic and rugged handles for "balanced" holding/fastening of the machine.
- › Rugged crank handle

DM 35PF only

- › Spindle sleeve feed
- › Controlled return to starting position



DM 35PF only
› Quick release chuck



Fig. DM 50

Fig. DM 35PF

Technical data and accessories

Model	DM 35	DM 50	DM 35PF
Article no.	3603500	3605000	3613500
Technical specifications			
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor output	1.6 kW	1.7 kW	1.6 kW
Drilling performance			
Core drilling bit Ø max.	Ø 35 mm	Ø 50 mm	Ø 35 mm
Core drilling depth max.	35 mm	50 mm	35 mm
Full drilling bit Ø max. with direct fittable full drill bit	Ø 13 mm	Ø 13 mm	-
Spindle holder			
Shank	-	-	Weldon shank
Spindle holder	-	-	MT 2
Magnetic foot			
Magnetic foot dimensions	166 x 80 mm	166 x 80 mm	166 x 80 mm
Magnetic attraction force	13.8 kN	14.5 kN	16 kN
Speeds			
Speed without load	900 rpm	750 rpm	900 rpm
Dimensions			
Length x width x height	255 x 280 x 410 / 470 mm		220 x 250 x 380 - 530 mm
Weight	10.5 kg	10.6 kg	14 kg

DRILLING

Scope of delivery

- › Coolant tank
- › Safety belt
- › Tool
- › DM 35 PF quick release chuck



- Transport case (DM 35/DM 50)
- Metalbox (DM 35PF)
- › For convenient transport and optimum protection

Core bit set HSS-TiAlN 30

five HSS and one TiAlN core bit
6-part

- For testing, including one 18 mm core bit featuring our highest quality level with TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set HSS-TiAlN 30

3072010

- › Five HSS-Core bit Ø 12, 14, 16, 20, 22 mm
- › One TiAlN-Core bit Ø 18 mm, length 25 mm
- › 1 ejector pin

Core bit set TiAlN 30

core bits with hard and smooth TiAlN coating
6-part

- TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set TiAlN 30

3072020

- › Six TiAlN-Core bit Ø 12, 14, 16, 18, 20, 22 mm
- › 1 ejector pin

DM 35V / DM 50V

Premium magnetic core bit drilling machines with continuously variable speed control offer maximum feature set

- ▶ High performance with a compact size and low weight
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ With cooling - coolant is routed through the drill
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Safe and reliable function
- ▶ Internal self-lubrication function ensures a longer service life of the gear unit.
- ▶ High magnetic holding force
- ▶ Magnetic foot has a wear-proof design to extend the service life of the magnetic base and thus the maximum magnetic holding force



Fig. DM 35V

Scope of delivery

- › Transport case
- › Operating tool
- › Safety belt
- › Quick release chuck

Model	DM 35V	DM 50V
Article no.	3643500	3645000
Technical specifications		
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor output	1.55 kW	1.7 kW
Drilling performance		
Core drilling bit Ø max.	Ø 35 mm	Ø 50 mm
Core drilling depth max.	35 mm	50 mm
Full drilling bit Ø max. with direct fittable full drill bit	Ø 13 mm	Ø 13 mm
Magnetic foot		
Magnetic foot dimensions	166 x 80 mm	166 x 80 mm
Magnetic attraction force	14.8 kN	15.6 kN
Speeds		
Speed without load	100 - 800 rpm Continuously variable	100 - 670 rpm Continuously variable
Dimensions		
Length x width x height	255 x 280 x 410 / 470 mm	
Weight	10.8 kg	11 kg

Arguments, etc.



Motor

- › Powerful motor with high torque and low-maintenance



Guides

- › Safe guides for stability and precision



Control panel

- › Ergonomic switch arrangement avoids confusion



Handles

- › Ergonomic and rugged handles for "balanced" holding/fastening of the machine.
- › Rugged crank handle



Quick clamping chuck

- › For fast tool change

Accessories

Core bit set HSS-TiAlN 30

- › Five HSS core bits and one TiAlN core bit

Core bit set TiAlN 30

- › Six TiAlN core bits

DM 36VT

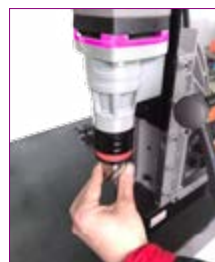
Powerful multifunctional magnetic core drilling machine with thread tapping function for professional deployment in industry and trades.

- ▶ Safe switch arrangement
- ▶ Oil gearbox for long service life
- ▶ Dual dovetail guides
- ▶ Direction of rotation change through electronic pushbutton
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ High magnetic holding force
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Safe and reliable function
- ▶ MT collet for core bits with Weldon shank



Fig. DM36VT

Model	DM 36VT
Article no.	3643600
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.55 kW
Drilling performance	
Core drilling bit Ø max.	Ø 36 mm
Core drilling bit depth max.	35 mm
Spiral drilling bit Ø max.	Ø 18
Thread tapping bit Ø max.	M15
Drilling depth/Core drilling	max. 35 mm
Spindle holder	
Shank	Weldon shank
Spindle holder	MT 2
Magnetic foot	
Magnetic foot dimensions	166 x 80 mm
Magnetic attraction force	14.2 kN
Speeds	
Speed without load	100 - 340/640 rpm Continuously variable
Dimensions	
Length x width x height	220 x 250 x 380 - 530 mm
Weight	16.8 kg



▶ Quick clamping drill chuck included



Transport case
▶ For convenient transport and optimum protection

Scope of delivery

- ▶ Transport case
- ▶ Coolant tank
- ▶ Safety belt
- ▶ Tool
- ▶ Quick release chuck

Multifunctional



▶ Thread tapping



▶ Countersinking



▶ Spiral drilling



▶ Core drilling



▶ End milling cutters

DM 60V / DM 98V

Magnetic core drilling machine with continuously variable speed,
when you need reliability, precision and economy at work

- ▶ Safe switch arrangement
- ▶ All frames made of pressure cast magnesium, light weight.
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ High magnetic holding force
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Internal self-lubrication function ensures a longer service life of the gear unit

Motor

- › Powerful motor with high torque and low-maintenance

Guides

- › Safe guides for stability and precision

Coolant tank

- › Detachable coolant tank
- › External fastening
- › Well-designed and practical

Handles

- › Ergonomic and rugged handles for "balanced" holding/fastening of the machine.
- › Rugged crank handle

Spindle holder

- › MT collet
- › Weldon shank

Speed setting

- › continuously variable



- › Quick clamping drill chuck included



Fig. DM60V

Technical data and accessories

Model	DM 60V	DM 98V
Article no.	3646000	3649800
Technical specifications		
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor output	1.89 kW	2.18 kW
Drilling performance		
Core drilling bit Ø max.	Ø 60 mm	Ø 98 mm
Core drilling bit depth max.	50 mm	75 mm
Spiral drilling bit Ø max.	Ø 23 mm	Ø 28 mm
Spindle holder		
Shank	Weldon shank	Weldon shank
Spindle holder	MT 2	MT 3
Magnetic foot		
Magnetic foot dimensions	202 x 103 mm	202 x 103 mm
Magnetic attraction force	16 kN	17 kN
Speeds		
Speed without load	100 - 430 rpm Continuously variable	100 - 380 rpm Continuously variable
Dimensions		
Length x width x height	240 x 330 x 450 - 650 mm	240 x 330 x 450 - 650 mm
Weight	18.3 kg	18.5 kg

Scope of delivery
> Transport case
> MT collet
> Coolant tank
> Safety chain
> Quick release chuck
> Tool



- Transport case
- > For convenient transport and optimum protection

Core bit set HSS-TiAlN 30

five HSS and one TiAlN core bit
6-part

- For testing, including one 18 mm core bit featuring our highest quality level with TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set HSS-TiAlN 30

- > **Five HSS-Core bit** Ø 12, 14, 16, 20, 22 mm
- > **One TiAlN-Core bit** Ø 18 mm, length 25 mm
- > **1 ejector pin**

Core bit set TiAlN 30

core bits with hard and smooth TiAlN coating
6-part

- TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set TiAlN 30

- > **Six TiAlN-Core bit** Ø 12, 14, 16, 18, 20, 22 mm
- > **1 ejector pin**

DM 50PM

Magnetic core drilling machine with permanent magnet impresses with amazing drilling performance

- ▶ Permanent magnet - independent of power source and thus 100% safe
- ▶ Magnetic foot with high holding force supports work on vertical surfaces and overhead
- ▶ Safe switch arrangement
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ Soft-start is gentle on the motor and prolongs the service life
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Internal self-lubrication function ensures a longer service life of the gear unit.
- ▶ MT collet for core bits with Weldon shank
- ▶ External coolant tank for easy metering of internal core bit cooling
- ▶ Carrying handle for convenient carrying and lifting



Metalbox
 › For convenient transport and optimum protection



Fig. DM 50PM

Model	DM 50PM
Article no.	3615000
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.7 kW
Drilling performance	
Core drilling bit Ø max.	Ø 50 mm
Bit depth max.	50 mm
Spindle holder	
Shank	Weldon shank
Spindle holder	MT 2
Magnetic foot	
Magnetic foot dimensions	165 x 83 mm
Magnetic attraction force	16.5 kN
Speeds	
Speed without load	750 rpm
Dimensions	
Length x width x height	220 x 250 x 380 - 530 mm
Weight	11.7 kg

Scope of delivery

- › Metalbox
- › Coolant tank
- › Safety belt
- › Tool

Accessories

Core bit set HSS-TiAlN 30

- › Five HSS core bits and one TiAlN core bit

Core bit set TiAlN 30

- › Six TiAlN core bits

Arguments, etc.



Permanent magnet
 › Independent of power source and thus 100% safe



Coolant tank
 › Detachable coolant tank
 › External fastening
 › Well-designed and practical



Switch arrangement
 › Clear cut controls

DM 38VF

The magnetic drilling machine for working in cramped conditions.

Impresses with compact and smart design

- ▶ The spur gear is designed for continuous operations
- ▶ Ideal for steel construction work, vehicle manufacturing, mechanical engineering, etc.
- ▶ High magnetic holding force for safe work
- ▶ Ergonomic single-handed operation thanks to clear-cut arrangement of controls
- ▶ Features safety belts for vertical or overhead applications as standard



Transport case
 > For convenient transport and optimum protection

Fig. DM 38VF

Model	DM 38VF
Article no.	3643800
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.65 kW
Drilling performance	
Core drilling bit Ø max.	Ø 38 mm
Core drilling depth max.	Ø 35 mm
Magnetic foot	
Magnetic foot dimensions	156 x 80 mm
Magnetic attraction force	14.5 kN
Speeds	
Speed without load	100 - 500 rpm Continuously variable
Dimensions	
Length x width x height	250 x 350 x 240 mm
Weight	8.8 kg

Arguments, etc.



Pluggable handle
 > can be fitted on the left or right side of the machine as required



Magnetic holding force
 > Powerful magnet with 14.5 kN holding force



Compact
 > Machine weighs 8.8 kg
 > Practical dimensions, only 250x350x240 mm

Scope of delivery

- > Transport case
- > Tool

Accessories

Core bit set HSS-TiAlN 30

- > Five HSS core bits and one TiAlN core bit

Core bit set TiAlN 30

- > Six TiAlN core bits

ELECTR-MAGNETIC BASE DRILL

磁座钻 MBD 19/25/38



MBD 19



MBD 25



MBD 38

机床技术参数 /Specification

型号	MBD19	MBD25	MBD38
Model	MBD19	MBD25	MBD38
产品编号	3601900	3602500	3603800
Code No.	3601900	3602500	3603800
钻孔直径	Ø19 mm	Ø23 mm	Ø32 mm
Max.drilling capacity	Ø19 mm	Ø23 mm	Ø32 mm
额定转速	350 r/min	330 r/min	150 r/min
Rated speed	350 r/min	330 r/min	150 r/min
额定电压	220 V	220 V	380 V
Rated voltage	220 V	220 V	380 V
额定频率	50 Hz	50 Hz	50 Hz
Rated frequency	50 Hz	50 Hz	50 Hz
额定输入功率	850 W	1100 W	1600 W
Rated output power	850 W	1100 W	1600 W
最大行程	180 mm	180 mm	220 mm
Max.travel	180 mm	180 mm	220 mm
电磁铁吸力	11000 N	13000 N	16000 N
Electromagnetism	11000 N	13000 N	16000 N
包装尺寸	410x200x510 mm	410x200x510 mm	530x280x680 mm
Packing size	410x200x510 mm	410x200x510 mm	530x280x680 mm
净重	30 kg	30 kg	50 kg
Net weight	30 kg	30 kg	50 kg

可选附件 OPTIONAL EQUIPMENT



OPTIMUM quick-action drill chuck

- True running accuracy ≤ 0.06 mm

0 - 8 mm; B16	305 0608	
0 - 10 mm; B16	305 0610	
0 - 13 mm; B16	305 0623	
0 - 16 mm; B16	305 0626	



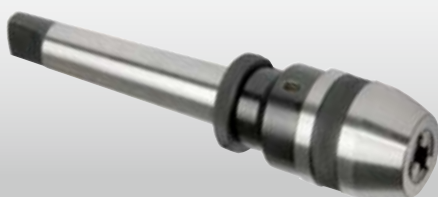
ROHM Quick-action drill chuck

1 - 13 mm; B16	305 0656	
3 - 16 mm; B16	305 0657	



OPTIMUM Direct quick-action drill chuck

MT 2 1 - 13 mm	305 0572	
• up to 8'000 min ⁻¹		
MT 2 1 - 16 mm	305 0571	
• up to 6'000 min ⁻¹		
MT 3 1 - 16 mm	305 0573	
• up to 6'000 min ⁻¹		
MT 4 1 - 16 mm	305 0574	
• up to 6'000 min ⁻¹		



Reducing bushes

MT 3 - MT 2	305 0663	
MT 4 - MT 3	305 0664	
MT 4 - MT 2	305 0665	



Morse taper

MT 2 - B16	305 0659	
MT 3 - B16	305 0660	
MT 4 - B16	305 0661	
MT 5 - B16	305 0675	
MT 6 - B16	305 0676	



Extension bushings

MT 2 - MT 3	305 0667	
MT 3 - MT 4	305 0668	



Tapping chuck M5 - M12

335 2042

- Integrated quick return, immediately effective when changing the feed direction
- Sliding clutch 4-stage adjustable
- With seat B16

Standard equipment:

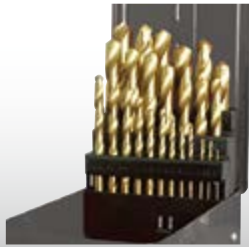
- 2 flexible collets
- 2 open-end wrenches
- 1 Allen key



Twist drill kit 25-pieces

305 1010

- Coated with titanium
- Sizes 1 - 13 mm
- Higher service life and durability
- Higher hardness than hard metal
- More rapid working results
- Lower wear



Twist drill kit HSS incl. Morse taper

- 9 pieces; Sizes 14,5/16/18/20/22/24/26/28/30 mm

Twist drill MT 2 305 1002

Twist drill MT 3 305 1003



Clamping tool kit SPW 58 pcs

- Practical wall bracket
- 24 pcs draw-in bolts
- 4 pcs elongation nuts
- 6 pcs step blocks
- Metric threads
- 6 pcs T-slots
- 6 pcs nuts
- 12 pcs clamping blocks

SPW 8 335 2015

- T-slots 10 mm . Draw bar thread M 8

SPW 10 335 2016

- T-slots 12 mm . Draw bar thread M 10

SPW 12 335 2017

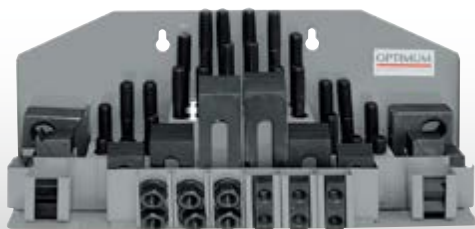
- T-slots 14 mm . Draw bar thread M 12

SPW 14 335 2018

- T-slots 16 mm . Draw bar thread M 14

SPW 16 335 2019

- T-slots 18 mm . Draw bar thread M 16



Coolant equipment



Model	Art. Po18/230V	Art. Po18/400V
Code No.	1922002	1922003
Rated voltage	230 V / 50 Hz	400 V / 50 Hz
Rated current	0.24 A	0.23 A
power	40 W	40 W
Speed	2800 r/min	2800 r/min
Insulation class	E	E
Protection grade	IP 44	IP 44
The scope of	22 l/min	22 l/min
Prevalence	3 m	3 m

Universal coolant equipment

- Delivery height max. 2.5 m
- Delivery volume 8 l/min
- Tank capacity 11 l
- Tank size L x W x H: 370 x 245 x 170 mm
- Complete including tank, flexible tube, hose
- With switch-plug combination
- Magnetic anchoring
- For self-assembly

Universal coolant equipment 230 V/1 Ph 335 2002

Universal coolant equipment 400 V/3 Ph 335 2001



Coolant lubricant sprayer MMC1

335 6663

- Magnetic stand
- Foot size L x W x H: 62 x 50 x 55 mm
- Connecting coupling for external compressed air supply
- Magnetic stand holding force 75 kg
- Flexible and rigid hose
- Length of the coolant hose 500 mm



Coolant hose KMS 2	335 6660
<ul style="list-style-type: none"> • Two variable coolant hoses made of individual plastic elements • Not electroconductive • Magnetic stand holding force up to 50 kg • Length of the coolant hoses 335 mm • Flexible and stable • Resistant against most solvents and chemicals • Universally applicable on all machine tools 	



Cone drill drift	
MSP 1 for MT 1 - MT 3	305 0636
MSP 2 for MT 4 - MT 6	305 0637



LED - Machine lamp 3-500	335 1010
<ul style="list-style-type: none"> • Energy saving • Durable LED lamp • High positioning stability • Coated articulated arm with a length of 500 mm • Optimum mobility of the articulated arm • Cable length 1.2 m • Illumination temperature 4000 - 4500 K • Protection class IP 65 • 24 V illuminant • 9 watts/230 V connection 	



Cross table KT	
<ul style="list-style-type: none"> • Coolant channel • Adjustable dovetail guide • Adjustable handwheel scaling with a division of 0.05 mm 	
KT 120	335 6595
KT 179	335 6596
KT 180	335 6591
KT 210	335 6600

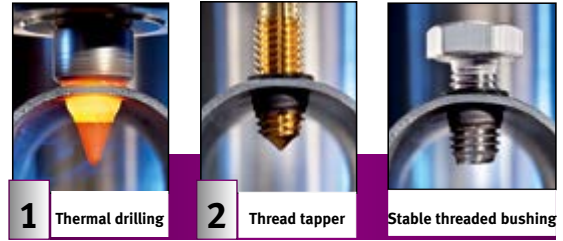
Technical data		KT 120	KT 179	KT 180	KT 210
Length	mm	506	748	945	1'065
Width	mm	400	483	483	555
Height	mm	140	148	169	200
T-slot size	mm	10	12	12	14
Table length	mm	400	500	700	730
Table width	mm	120	180	180	210
Load of cross table	kg	40	55	55	80
Pedestal width	mm	220	274	274	280
Pedestal length	mm	280	340	340	362
Travel X axis	mm	220	280	480	480
Travel Y axis	mm	165	175	175	210
Net weight	kg	22	32	49	84



Fig.: KT 180

Threaded bushings that no longer wobble!


In friction drilling, the friction heat from the existing material is used to create an anti-twist protected bushing without material removal in which a thread is then tapped.




- **No worries about working loose or turning**
saves time-consuming drilling out and avoids complaints
- **Easy assembly**
on virtually any upright drilling machine
- **Huge cost savings**
compared with rivet nuts, only two steps
- **Quality - Made in Germany**

You require

1 Thermal drill



SHAPE
For bushes with collar




CUT
For bushes without collars

- Suitable for aluminium, non-ferrous metal, steel and stainless
- Made of solid carbide with a special polygon grind

Size	Design	Max. material thickness [mm]	Art. no.	Max. material thickness [mm]	Art. no.
M4	short	1,5	3060104	2,0	3060164
	long	2,5	3060124	4,0	3060144
M5	short	2,0	3060105	3,0	3060165
	long	3,0	3060125	4,5	3060145
M6	short	2,0	3060106	3,0	3060166
	long	3,5	3060126	5,0	3060146
M8	short	2,5	3060108	4,0	3060168
	long	4,0	3060128	6,0	3060148
M10	short	2,5	3060110	4,0	3060170
	long	4,5	3060130	6,5	3060150
M12	short	2,5	3060112	4,0	3060172
	long	4,5	3060132	6,5	3060152

2 Thread tapper




with TiN coating and lubricant grooves tolerance 6HX Form C

- Legacy tool fittings can be used

Size	Art. no.
M4 x 0,7	3060184
M5 x 0,8	3060185
M6 x 1,0	3060186
M8 x 1,25	3060188
M10 x 1,25	3060190
M12 x 1,25	3060192

3 Basic equipment



Contains everything you need to get started with the THERMDRILL right away

Seats	Art. no.
MK2	3060005

Contents:
 Tool holder with cooling ring MT 2ER 32
 4 pcs. Spring collets (Ø 6/8/10/12 mm)
 Reduction sleeve MT 3 - MT 2
 THERMDRILL Paste 100 g
 Thread tapping oil 100 ml
 Open-ended spanner
 Hook wrench
 Case

Other thread sizes available (also in metric fine and pipe threads)

Tool set = Thermal drill + thread tapper

Type SHAPE				Type CUT	
Size	Design	Max. material thickness [mm]	Art. no.	Max. material thickness [mm]	Art. no.
M4	short	1,5	3060024	2,0	3060044
	long	2,5	3060034	4,0	3060054
M5	short	2,0	3060025	3,0	3060045
	long	3,0	3060035	4,5	3060055
M6	short	2,0	3060026	3,0	3060046
	long	3,5	3060036	5,0	3060056
M8	short	2,5	3060028	4,0	3060048
	long	4,0	3060038	6,0	3060058
M10	short	2,5	3060030	4,0	3060050
	long	4,5	3060040	6,5	3060060
M12	short	2,5	3060032	4,0	3060052
	long	4,5	3060042	6,5	3060062

THERMDRILL Paste


Container	Article no.
For friction drilling including brush	
1 kg	3060090



Protects the thermal drill against excessive

Thread tapping oil

Container	Article no.
Including brush	
1 Litres	3060092



High-performance oil, specially suited for thread tapping in aluminium, copper, brass, steel, stainless

Other thread sizes available (also in metric fine and pipe threads)

不再摆动的螺纹衬套

在摩擦钻孔的时候，现有材料产生的摩擦热可用来生成抗扭曲避防护衬套，而攻螺纹的时候不用移动材料。



- 不用担心松掉或转动
节省大量的钻孔时间，避免客户抱怨
- 装配方便
实际上可用
- 节省大量费用
和铆螺母相比，仅两步

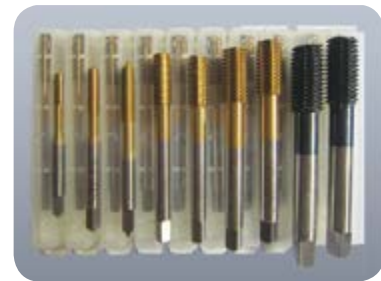
套装热钻 / Thermal drill kit

1 热熔钻头 /Thermdrill



热熔钻 孔径 MM	转速 RPM		主电机功 率 KW	转速 RPM			主电机 功率 KW
	钢	不锈钢		铜	黄铜	铝	
4.0-4.9	2800	2500	1	3900	4500	5600	1.5
5.0-5.9	2800	2500	1	3900	4500	5600	1.5
6.0-6.9	2800	2500	1.2	3900	4500	5600	1.8
7.0-7.9	2500	2100	1.5	3500	4000	5000	2.2
8.0-8.9	2500	2100	1.5	3500	4000	5000	2.2
9.0-9.9	2200	1900	1.8	3100	3500	4400	2.7
10.0-10.9	2000	1800	2	2800	3200	4000	3
11.0-11.9	2000	1800	2	2800	3200	4000	3
12.0-12.9	2000	1800	2	2800	3200	4000	3

2 挤压丝锥 /Tap threader



规格 Thread size	精度 TAP Limit	切削锥长 ec	全长 L	螺纹长 e	劲长 en	柄径 D	方长 ek	方宽 K	形状 Type
M4×0.7	RH6/RH7	4P	52	10	20	5	7	4	5
M4×0.7		2P	52	10	20	5	7	4	6
M5×0.8	RH6/RH7	4P	60	11	22	5.5	7	4.5	5
M5×0.8		2P	60	11	22	5.5	7	4.5	6
M6×1	RH7	4P	62	10	24	6	7	4.5	5
M6×1		2P	62	10	24	6	7	4.5	6
M8×1.25	RH7	4P	70	12	/	6.2	8	5	7
M8×1.25		2P	70	12	/	6.2	8	5	7
M10×1.5	RH7	4P	75	15	/	7	8	5.5	7
M10×1.5		2P	75	15	/	7	8	5.5	7
M12×1.75	RH8	4P	82	17	/	8.5	9	6.5	7
M12×1.75		2P	82	17	/	8.5	9	6.5	7

3 热钻套盒 /Thermdrill box



- 工具配置：
1. 热熔钻头
 2. 散热刀柄
 3. 夹头
 4. 专用扳手
 5. 热熔膏
 6. 专用铜刷
 7. 攻丝油
 8. 挤压丝锥
- Tools :
1. Thermdrill
 2. Tool holder
 3. Collet ER
 4. Wrench for exclusive use
 5. Paste for Thermdrill
 6. Brass brush for exclusive use
 7. Tapping Oil
 8. Tap threader

4 热熔膏 /Paste for Thermdrill



进口热熔膏
Imported paste for Thermdrill

热熔膏
Paste for Thermdrill

进口钻孔油
Imported tapping Oil

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Machine & Tools

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