

## DRILLING MACHINE DRILLING 13/16/20/25/32

### 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

#### Optional Accessories:

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



Model	Drilling 13	Drilling 16	Drilling 20	Drilling 25	Drilling 32
Code No.	3101300	3101600	3102000	3102500	3103200
Drilling capacity(max.)	Ø13mm	Ø16mm	Ø20mm	Ø25mm	Ø32mm
Spindle holding fixture	B16	MT2	MT2	MT3	MT4
Spindle speeds	580-2650rpm	220-2450rpm 660-2500rpm	210-2220rpm	210-2220rpm	150-2020rpm
Table size(LxW)	160x160mm	200x195mm	300x300mm	270x270mm	364x364mm
T-slot size	/	/	14mm	15mm	15mm
Working surface stand(LxW)	200x314mm	355x235mm	495x295mm	500x300mm	625x372mm
Motor	350W	450W	550W	550W	1100W
packing size(LxWxH)	545x400x255mm	680x440x270mm	820x520x315mm	1150x490x318mm	1460x640x340mm
Net weight/Gross weight	19/21kg	38/40kg	53/56kg	60/63kg	135/140kg

DRILLING

## DRILLING MACHINE RADIAL DRILLING 16/20

### 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

#### Optional Accessories:

- Twist drill kit HSS MT2
- Clamping tool kit SPW 12
- Tapping chuck M5-M12
- Machine Vice MSO100/MSO75

#### Details



- The drill head can be inclined by ± 45°



- Variable throat by shifting the drilling head



- The working table can be inclined by ± 45°

Model	Radial drilling 16	Radial drilling 20
Code No.	3701600	3702000
Drilling capacity(max.)	Ø16mm	Ø16mm
Spindle holding fixture	MT2	MT2
Spindle speeds	470-3030rpm	390-3000rpm
Table size(LxW)	225x230mm	262x262mm
Working surface stand(LxW)	430x260mm	600x350mm
Motor	230V/ 50Hz 550W	230V/ 50Hz 550W
Packing size(LxWxH)	932x407x323mm	1155x500x295mm
Net weight/Gross weight	45/47.5kg	63/66kg



## DRILL PRESS PRO LINE B 17/23/26/33 Pro

**OPTIMUM**  
MASCHINEN · GERMANY



### 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



Model	B 17Pro	B 23Pro	B 26Pro	B 33Pro
Code No.	3111700	3112302/3112303	3112600	3113300
Electrical connection	230V / 1Ph ~50Hz	230V/1Ph or 400V/3Ph	400V / 3Ph ~50Hz	400V / 3Ph ~50Hz
Motor power	500 W	750 W	750 W	1.1 kW
Drilling capacity in steel (S235JR)	Ø 16 mm	Ø 25 mm	Ø 25 mm	Ø 30 mm
Spindle seat	MT 2	MT 2	MT 3	MT 4
Spindle speeds	500-2520 rpm	200-2440 rpm	200-2440 rpm	120-1810 rpm
Work surface table (LxW)	235 x 220 mm	280 x 245 mm	330 x 290 mm	475 x 425 mm
Work surface stand (Lx W)	220 x 230 mm	240 x 250 mm	385 x 260 mm	410 x 270 mm
Column diameter	Ø 60 mm	Ø 73 mm	Ø 80 mm	Ø 92 mm
Length x width x height	600x260x860 mm	654x330x1012 mm	700x350x1670 mm	860x480x1720 mm
Total weight	39 kg	66 kg	82 kg	135 kg

## DRILL PRESS E LINE E17/E23/E26/E33

### 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
- High smoothness due to aluminium V-belt pulleys and grinded multitooth dog (from E 23)
- V-belt covering with safety switch
- Worktable can be inclined by ± 45° 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

Model	E 17	E 23	E 26	E 33
Code No.	3101700	3102302(230V) 3102303(400V)	3102600	3103300
Motor	500W 230V~50Hz	750W 230V/ 400V~50Hz(400V)	750W 400V~50Hz	1.1KW 400V~50Hz
Drilling capacity in steel	Ø16mm	Ø25mm	Ø25mm	Ø30mm
Spindle seat	MT2	MT2	MT3	MT4
Spindle speeds	500-2520rpm	200-2440rpm	200-2440rpm	120-1810rpm
Table size (LxW)	235x220mm	280x250mm	330x290mm	475x425mm
T-slot size	12mm	12mm	14mm	14mm
Column diameter	60mm	73mm	80mm	92mm
Packing size(LxWxH)	680x460x290mm	815x530x325mm	1430x545x290mm	1435x645x325mm
N.W./G.W.	36.5/40 kg	63.5/66 kg	81/85 kg	132/140 kg



## DRILL PRESS I LINE I 13/I 15/I 17/I 20

### 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"



Model	I 13	I 15	I 15 F	I 17 F	I 20 F
Code No.	3101390	3101590	3801590	3801790	3802090
Motor	120V 60Hz 1/3HP	120/240V 60hz 1/2HP	120/240V 60hz 1/2HP	120/240V 60hz 1HP	120/240V 60hz 1-1/2HP
Motor speed	1725 RPM	1725 RPM	1725 RPM	1725 RPM	1725 RPM
Spindle speed	244-3386 RPM 16steps	138-3476RPM 16steps	138-3476RPM 16steps	138-3476RPM 16steps	120-3605 RPM 16steps
Spindle Taper	JT33	MT2	MT2	MT2	MT3
Drilling Capacity - Cast Iron	1/2"	5/8"	5/8"	5/8"	1"
Table Size	8-5/8 x 9-7/16"	11-1/2 x 13"	11-1/2 x 13"	11-1/2 x 13"	16-5/8 x 18-5/8"
T-Slot	14mm	14mm	14mm	14mm	14mm
Column Diameter	2.34"	2.87"	2.87"	3.15"	3.62"
Base size (W x D)	9-3/4 x 16-1/2"	10-5/8 x 18-1/8"	12-3/4 x 19-3/4"	12-3/4 x 19-3/4"	17-5/8 x 22-1/2"
Overall Height	38-7/8"	43"	66-1/2"	65-1/4"	69-3/4"
N.W./G.W.	113/123 lbs.	174/185 lbs.	193/204 lbs.	206/216 lbs.	336/352 lbs.

DRILLING

## WOODWORKING DRILL I 12/I 16.5



### Variable speed

Model	I 12	I 16.5
Code No.	3101290	3101690
Electrical connection (60Hz)	120V	120V
Motor power	2/3HP	3/4HP
Spindle taper	JT33	MT2
Spindle stroke	60mm	60mm
Quill Diameter	1-9/16"	2.05"
Chuck Size	1-13mm (1/2")	1-16mm (5/8")
Drilling capacity	5/8"	5/8"
Spindle speeds	530-3100RPM	500-3500RPM
Drilling table size (L x W)	9-1/2" x 9-1/2"	14" x 14"
T-slot width	14mm	14mm
Drilling table turnable	45°	45°
Drill chuck -drilling table	16-1/4"	29-1/8"
Distance drill chuck - machine foot	23"	48-1/2"
Column diameter	2.56"	3.15"
Packing size	900x470x330mm	1380x650x270mm
N.W./G.W.	42/47Kg	82/90Kg





# DRILL PRESS H LINE **B16H/B24H/B28H/B34H**

**OPTIMUM**  
MASCHINEN · GERMANY

**Optional Accessories:**

- Reduction bush MT3/MT2
- Threading tapping chuck M5-M12(B24H/B28H/B34H)
- Twist drill bit set 1-13mm/25PCS
- Morse taper drill bit set MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
- Drilling vice TQ100 ( B16H/B24H ) TQ140(B28H/B34H)
- Backwater filtration device ( B28H/B34H)



Model	B16H	B24H	B28H	B34H
Code No.	3201600	3202400	3202800	3203400
Drilling capacity (max.)	Ø16mm	Ø24mm	Ø28mm	Ø34mm
Spindle holding fixture	MT2	MT2	MT3	MT4
Spindle speeds	450-3500rpm	350-4000rpm	260-4075rpm	145-4800rpm
Table size(L×W)	230×245mm	280×300mm	340×360mm	426×400mm
T-slot size	12mm	14mm	14mm	14mm
Working surface stand(L×W)	260×362mm	280×264mm	364×320mm	388×370mm
Motor	550W	850W	850W	2.2/1.5KW
packing size(L×W×H)	600×360×1000mm	760×440×1170mm	770×500×1940mm	965×600×2140mm
N.W./G.W.	55/70kg	92/116kg	142/178kg	260/313kg

# DRILLING MACHINE **B 16HV/24HV/28HV/34HV**

**OPTIMUM**  
MASCHINEN · GERMANY

Variable speed



Model	B16HV	B24HV	B28HV	B34HV
Code No.	3401600	3402400	3402800	3403400
Drilling capacity(max.)	Ø16mm	Ø24mm	Ø28mm	Ø34mm
Spindle holding fixture	MT2	MT2	MT3	MT4
Spindle speeds	90-6000rpm	100-5950rpm	35-5600rpm	40-5000rpm
Table size(L×W)	230×245mm	300×280mm	358×340mm	426×400mm
T-slot size	12mm	14mm	14mm	14mm
Working surface stand(L×W)	260×362mm	280×264mm	364×320mm	388×390mm
Motor	1.5KW /230V/50Hz	1.5KW/230V/50Hz	1.5KW/230V/50Hz	2.2KW /230V/50Hz
packing size(L×W×H)	600×360×1000mm	755×440×1175mm	765×500×1940mm	970×600×2140mm
N.W./G.W.	67/82kg	96/122kg	166/202kg	275/328kg

## BENCH DRILLING MACHINE DX TYPE **DX13V/DX15V/DX17V**

### Convincing arguments: quality, efficiency and price

- Best power transmission due to aluminium belt pulleys
- Emergency-stop push button
- Language selection (all major languages)
- Digital reference point
- Digital parts counter
- Acoustic signal when reaching the drilling depth
- Reduced speed in the thread cutting mode
- Softkey panel with high-contrast display
- Control of the core functions using just four keys and central ordered rotary switch
- Siemens frequency converter

### Variable speed



Stand  
(for optional)



DX13V

DX15V



DX17V

Model	DX13V	DX15V	DX17V
Code No.	3301300	3301500	3301700
Electrical connection	230V/1ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz
Motor power	850W	850W	1.0 kW
Spindle seat	B16	MT2	MT2
Spindle speeds	100-3000rpm	100-3000rpm	50-4000rpm
Drilling table size length x width	/	290x290 mm	290x290 mm
T-slot size / number / distance	/	10mm/2/100mm	10mm/2/100mm
Stand work surface L x W	290x280mm	290x280mm	290x280mm
Column diameter	ø60 mm	ø60mm	ø60 mm
Packing size	540x420x1035mm	540x420x1060mm	540x420x1100mm
N.W./G.W.	51/65.1 kg	66/83 kg	73/85 kg

DRILLING

## DRILLING MACHINE **B30BS/B30VGM**

### Variable speed



### 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
- 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

Model	B30BS	B30VGM
Code No.	3403000	3413000
Drilling capacity (max.)	ø30mm	ø30mm
Spindle holding fixture	MT3	MT3
Spindle speeds	30-3800rpm	L:80-700rpm M:200-1700rpm H:400-3000rpm
Table size(L×W)	426×400mm	426×400mm
T-slot size	14mm	14mm
Working surface stand(L×W)	388×390mm	388×390mm
Motor	2.2KW /230V/50Hz	2.5KW 230v/50Hz
Packing size(L×W×H)	855×600×2110mm	855×600×2110mm
N.W./G.W.	295/344kg	302/366kg



B30BS

B30VGM

## DRILLING MACHINE **B40E/B40PTE**

**OPTIMUM**  
MASCHINEN · GERMANY

### Convincing arguments: quality, efficiency and price

- 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 (B40E)
- Coupler to change from manual rough feed to manual fine feed
- Machine head adjustable via toothed rack B 40 PTE:
- Automatic sleeve feed allows easy working

Model	B40E	B40PTE
Code No.	3304000	3314000
Drilling capacity in steel	Φ32mm	
Spindle taper	MT4	
Spindle speeds	95-3200rpm	
Working surface table LxW	426x400mm	
T-slot size	14mm	
Upright diameter	Φ115mm	
Driving power	1.1/1.5KW 400V~50Hz	
Packing size	755x620x2010mm 760x620x2000mm	
N.W./G.W.	288/336kg	302/360kg



B40E

B40PTE

## GEAR HEAD DRILLING MACHINE **DH26GT/DH28GS/DH32GS**

**OPTIMUM**  
MASCHINEN · GERMANY

### Convincing arguments: quality, efficiency and price

- 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
- Height-adjustable spindle protection with microswitch to prevent chips and parts
- Spindle protection for best possible protection of the user
- Integrated Machine lamp

Model	DH26GT	DH28GS	DH32GS
Code No.	3312680	3322880	3323280
Total connexion ~50 Hz	1,1/1,5 kW	1,1/1,5 kW	1,5/2.2KW
Drilling capacity in steel (S235JR)	Ø 26 mm	Ø 28 mm	Ø 32 mm
Spindle taper	MT 3		MT4
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
Working surface table	380 x 380 mm	376 x 394 mm	400 x 420 mm
T-slot size	14 mm	14 mm	14 mm
Working surface stand	322 x 320 mm	322 x 356 mm	420 x 393 mm
Column diameter	Ø 92 mm	Ø 92 mm	Ø 115 mm
Packing size(LxWxH)	725x500x1600mm	2070x480x845mm	2240x550x990mm
N.W./G.W.	158/184 kg	175/230 kg	312/378 kg



DH 26GT

DH 32GS



# GEAR HEAD DRILLING MACHINE DH 26GTV/28GSV/32GSV

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY

Variable speed

**VARIO SELECT**

Model	DH 26GTV	DH 28GSV	DH32GSV
Code No.	3412600	3422800	3423280
Electrical connection	230V 50HZ 1PH	400V 50HZ 3PH	400V 50HZ 3PH
Motor power	1.5KW	1.5KW	2.2KW
Drilling capacity in steel (S235JR)	Ø 26 mm	Ø 28 mm	Ø 32 mm
Continuous drilling capacity in steel(S235JR)	Ø 24 mm	Ø 25 mm	Ø 30 mm
Spindle stroke	127mm	127mm	125mm
Spindle seat	MT3	MT3	MT4
Throat	235mm	260mm	285mm
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
Table work surface Lx W	380x380mm	376x394mm	400x420mm
T-slot size	14mm	14mm	14mm
Distance spindle - table	max. 450 mm	max. 875 mm	max. 822 mm
Distance spindle - stand	max. 610 mm	max. 1200 mm	max. 1270 mm
Column diameter	Ø 92 mm	Ø 92 mm	Ø 115 mm
Dimensions	725x500x1600mm	2070x480x890mm	2240x550x990mm
N.W./G.W.	168/194 kg	184/242 kg	303/369 kg



DH 26GTV

DH 28GSV

DRILLING

# DRILLING MACHINE DH45G/DH55G

**Convincing arguments: quality, efficiency and price**

- 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
- 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

**NEW**

Model	DH45G	DH55G
Code No.	3324500	3325500
Electrical connection	400 V	400 V
Motor power	2.2 KW	3 KW
Spindle seat	MT4	MT4
Spindle speeds	90-1520 rpm	40-2000 rpm
Work surface table length x width	530x530mm	650x650mm
T-slot size / distance / number	16/125/3	18/160/3
Work surface stand length x width	755x480mm	910x600mm
Column diameter	Ø150mm	Ø200mm
Length x Width x Height	850x480x2195mm	/
Packing size	1110x770x2440mm	/
N.W./G.W.	560/625kg	590kg



DH45G/DH55G

# DRILLING MACHINE DRILLING 45/45E

## 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

Model	Drilling 45/Drilling 45E
Code No.	3304500/3334500
Drilling capacity (max.)	Ø45mm
Threading in steel (max.)	M20
Spindle taper	MT4
Spindle speeds	50-1450 rpm
Table size(LxW)	560x560mm
T-slot size	18mm
Working surface stand(LxW)	730x405mm
Motor	0.85/1.5KW
Packing size(LxWxH)	2270x690x1100mm
Net weight/Gross weight	480/615kg

### Optional accessories:

- Quick-action drill chuck MT4/1-16 mm
- Reducing bushes MT 4 - MT 3
- Twist drill kit coated with titanium Ø 1-13 mm
- Clamping tool kit SPW 12
- Tapping chuck M5-M12
- Machine vices:MSO 125/150,BMS 150/200,BSI 140/200



Drilling 45/45E

# DRILLING MACHINE DRILLING 50

## Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a large-ly 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 50 with electromagnetic spindle sleeve feed

### Optional accessories:

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

Model	Drilling 50
Code No.	3305000
Total connected value	3.0 / 2.4 kW 400 V / 3 Ph ~50 Hz
Drilling capacity in steel (S235JR)	Ø 50 mm
Thread cutting in steel	M 42
Spindle taper	MT 4
Spindle speeds	54 - 2'090 rpm
Work surface table length x width	600 x 600 mm
T-slot size	18 mm
Working surface stand length x width	600 x 520 mm
Column diameter	Φ200 mm
Packing size	1134 x 600 x 2460 mm
Total weight	950 kg



Drilling 25