



With rotating table plate and tilting support (MGI).

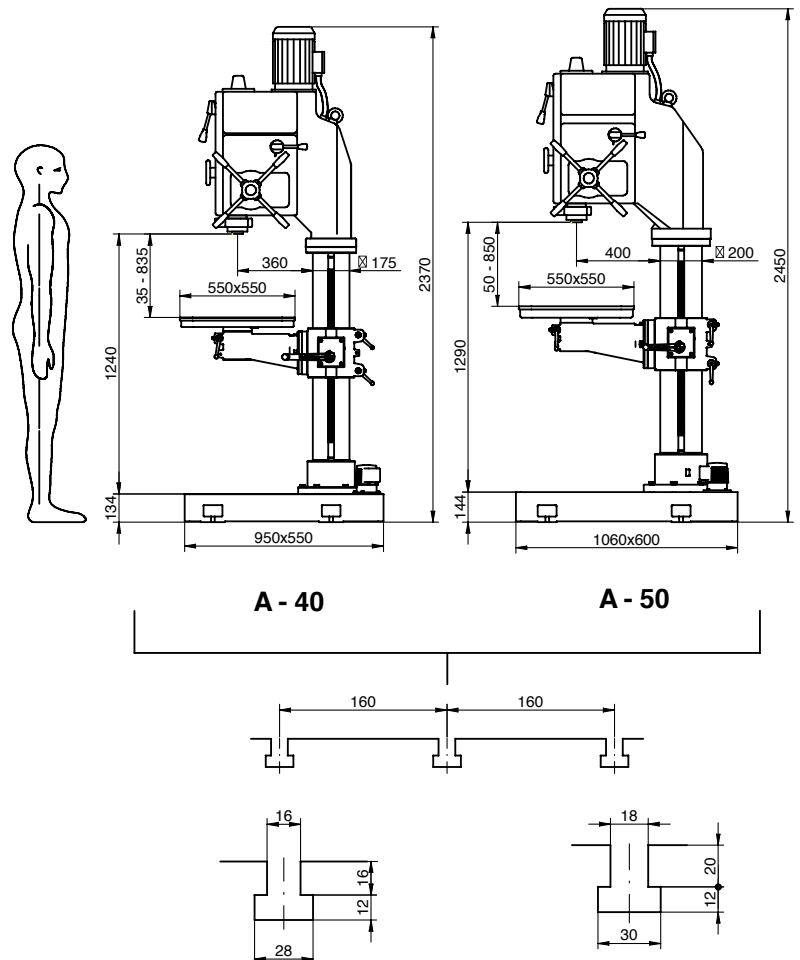
## || STANDARD EQUIPMENT

- Hardened and ground high quality steel gears
- Speed plate and selecting levers on head front
- Gear box lubrication by automatic pump
- Machined base with coolant tank
- Worklight
- Rotating table plate
- Automatic feed and cut-off by mechanical clutch
- Front hand wheel for fine feed work
- MGI Rotating and tilting table
- Depth scale and adjustable depth stop
- Automatic tool ejector
- Electric equipment integrated on machine's head
- Emergency STOP push button
- Spindle reversing switch
- Safety drill guard with microswitch
- CE mark

ø 40 mm ø 50 mm	M 33 M 36	2,2 Kw 3 Kw	MT 4 MT 4	200 mm 230 mm	ø 175 mm ø 200 mm	360 mm 400 mm

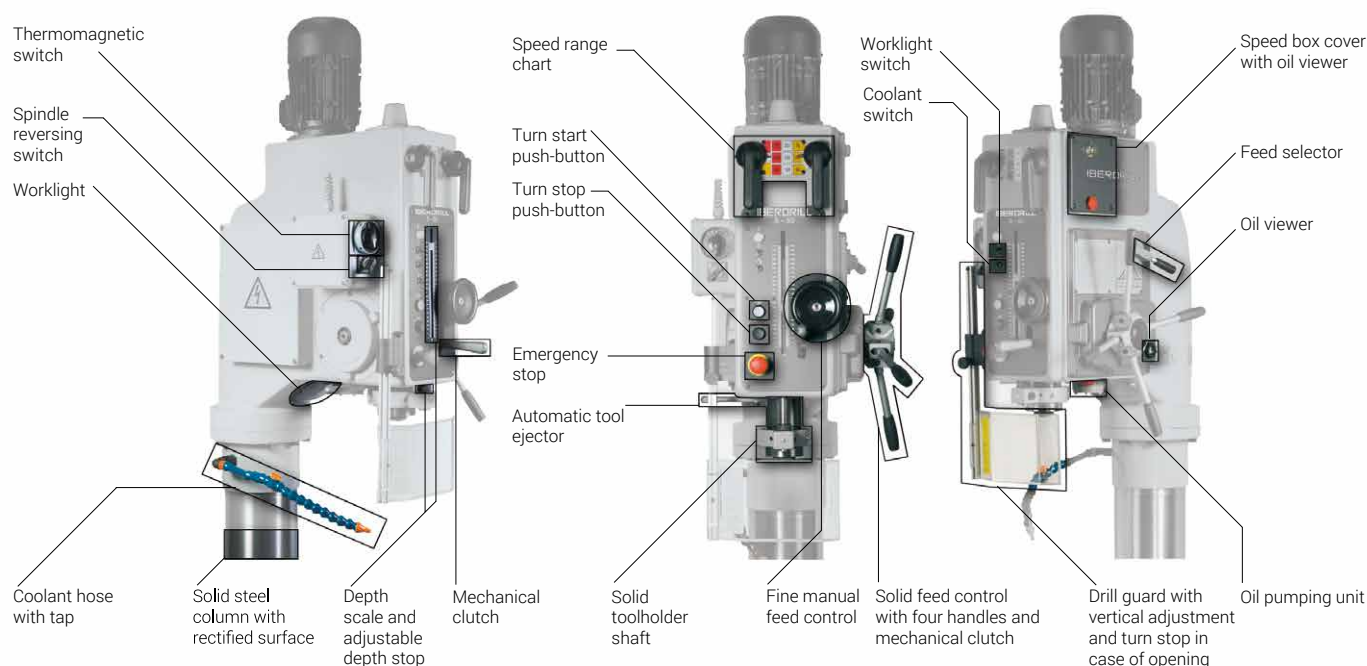
## DIMENSIONS

Round column



# A SERIES

## Round column - Gear Transmission



### || CHARACTERISTICS

#### A-40

#### A-50

Maximum drilling capacity in steel St. 50/60	[ø mm]	40	50
Maximum drilling capacity in cast iron 200 Brinell	[ø mm]	50	60
Maximum tapping capacity in steel St. 50/60	[mm]	M 33	M 36
Maximum tapping capacity in cast iron 200 Brinell	[mm]	M 40	M 42
Morse Taper MT	[Nr.]	4	
Maximum spindle stroke (drilling depth)	[mm]	200	230
Main motor power	[HP (Kw)]	3 (2,2)	4 (3)
Coolant pump motor power	[HP (Kw)]	0,10 (0,07)	
Transmission		Gear box	
Number of speeds		9	
Speed range with motor at 1500 rpm 50 Hz 3Ph. Upon request: Motor at 1800 rpm 60 Hz 3Ph.	[rpm]	61-85-123 191-269-390 574-806-1169	54-75-109 169-237-344 507-712-1032
Feed		Automatic by mechanical clutch	
Nr. of automatic feeds		4	
Automatic feed range	[mm/rev]	0,1-0,2-0,3-0,4	
Worktable dimensions (LxW).	[mm]	550X550	
Column diameter	[mm]	175	200
Distance from spindle centre to column face	[mm]	360	400
Net weight	[Kg]	610	710
Gross weight with packing	[Kg]	695	795
Packing dimensions (length x width x height)	[m]	2,5x0,6x1,2	2,6x0,6x1,2

## CROSS TABLES



**MB4**

Cross table.  
X = 500 mm.  
Y = 250 mm.  
Table net weight = 93 kg.  
Available **Z/X/A/B/C** series.



**MB5**

Cross table.  
X = 700 mm.  
Y = 250 mm.  
Table net weight = 150 kg.  
Available for **Z/X(40)/A/B/C** series.

## SPEED CONTROL / MEASURE / TAPPING



**VE**

Standard for **Z(34-40)**, **BC-40VE** and **BC-50VE**.  
Available for other models upon request.



**TAK**

Digital rpm counter.  
Standard for **Z (34-40)** and **C** series.  
Available for other models upon request.



**LBC**

Depth scale read-out system.  
Available for all series.



**RS**

Automatic feed reversing for tapping.  
Standard for **Z(34-40)** y **C** series.  
Available for all series.



**RPF**

Automatic tapping cycle by lead screw system with brake motor for spindle reverse.  
Available for **X/A/B/P** series.



**HGP**

Master guide spindle and nut set.  
Available for **X/A/B/P** series.

## STANDARD ASSEMBLY FOR JOBS USING MULTI-SPINDLE HEADS

### Accessories and functions

**ACNL**

Automatic drilling cycle with rapid approach, working feed and rapid retract, with additional pneumatic counterweight function for the multi-spindle head.

**UC**

Union, dragging cone and assembly of the multi-spindle head.

**CM**

Multi-spindle head with fixed or adjustable (see picture) spindles.

**GM**

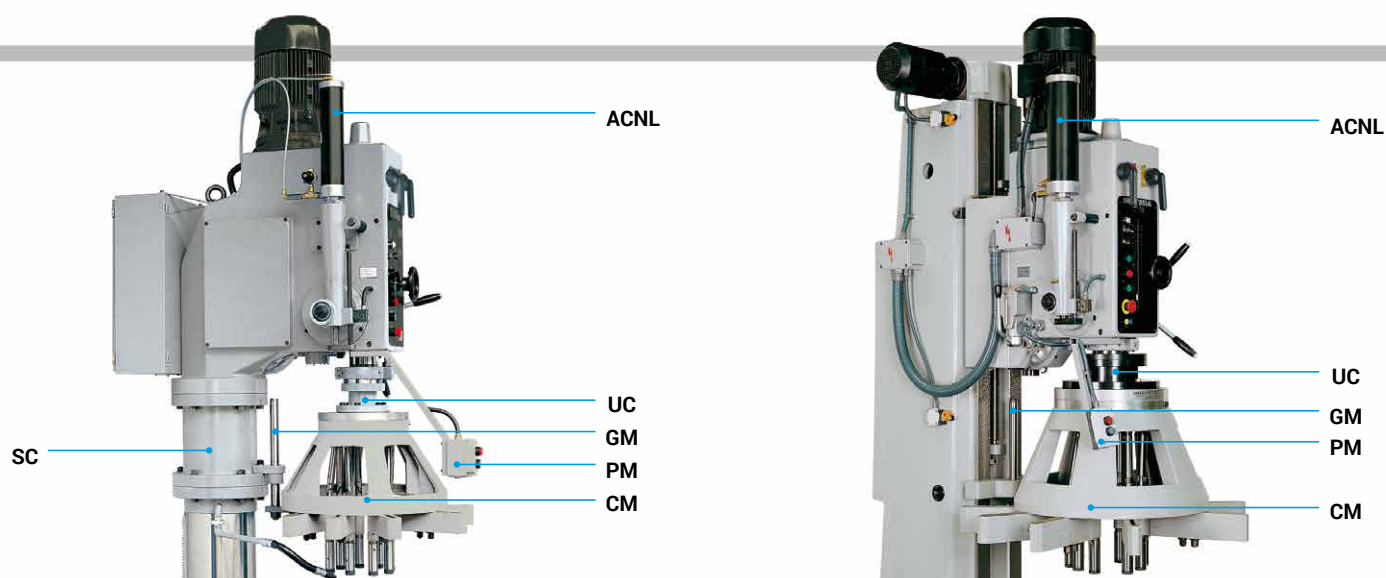
Multi-spindle head guide rod.

**PM**

START/STOP and emergency STOP control extension.

**SC**

Column riser of 200 mm for greater distance between spindle nose and worktable.



**CN**

Pneumatic counterbalance for spindle return (recommended with multi-spindle head applications). Available for **X/A/B/P** series.



**CM**

Multi-spindle drilling heads with fixed or adjustable spindles. Available for all series.



**AR**

50% lowered feed rate range. Available for **A/B/C** series.



**MQL**

Microlubrication system. Available for all series.

## STANDARD VICES



**SL-116**

Vise with fixed base (Light Series).  
Maximum opening: 116 mm  
Jaw width: 105 mm  
Jaw height: 31,5 mm  
Net weight: 8,5 kg.  
Available for **EK/T/Z/X/A/B/C** series.



**SL-160**

Vise with fixed base (Light Series).  
Maximum opening: 160 mm  
Jaw width: 125 mm  
Jaw height: 41,5 mm  
Net weight: 4,7 kg.  
Available for **EK/T/Z/X/A/B/C** series.



**FL-116**

Vise with fixed base.  
Maximum opening: 116 mm.  
Jaw width: 100 mm.  
Jaw height: 31,5 mm.  
Net weight: 9 Kg.  
Available for **Z/X/A/B/C** series.



**FL-157**

Vise with fixed base.  
Maximum opening: 157 mm.  
Jaw width: 125 mm.  
Jaw height: 41,5 mm.  
Net weight: 15 Kg.  
Available for **Z/X/A/B/C** series.



**FS-150**

Vise with fixed base (Heavy Series).  
Maximum opening: 150 mm.  
Jaw width: 150 mm.  
Jaw height: 44 mm.  
Net weight: 28 Kg.  
Available for **A/B/C/P/F** series.



**FG-150**

Vise with swiveling base (Heavy Series).  
Maximum opening: 150 mm.  
Jaw width: 150 mm.  
Jaw height: 44 mm.  
Net weight: 37 Kg.  
Available for **A/B/C/P/F** series.

## RAPID CLOSE AND SELF-CENTERING VICES



**FR-80**

Opening-cam rapid close vice.  
Maximum opening: 80 mm.  
Jaw width: 80 mm.  
Jaw height: 20 mm.  
Net weight: 6 Kg.  
Available for all series.



**FR-125**

Opening-cam rapid close vice.  
Maximum opening: 125 mm.  
Jaw width: 125 mm.  
Jaw height: 30 mm.  
Net weight: 23 Kg.  
Available for all series.



**FK-103**

Self-centering vice.  
Maximum opening: 103 mm.  
Jaw width: 103 mm.  
Jaw height: 20 mm.  
Net weight: 12 Kg.  
Available for all series.

## TOOL HOLDERS



### DRILL-CHUCKS

Self-centering drill-chuck from dia. 3 to dia.16 Morse taper 3 & 4.  
Available for all series.



### TAPHOLDER

Morse taper, tapholder and tapping collets.



### REDUCING SLEEVES

Self-centering drill-chuck from dia.1 to 16 Morse taper 3-4 & 5.  
Available for all series.

## CHUCKS, FOOT PEDALS...



### PST

Cycle or spindle turn START foot pedal.

### PSR

Spindle turn reverse foot pedal (for tapping)  
Available for all series.



### PEM

Emergency STOP foot pedal.  
Available for all series.