

Z SERIES

your decision for:



The silence of their belts

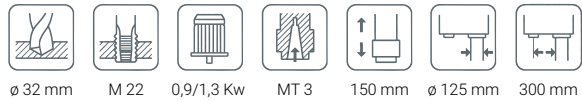
Speed variator

Suitable size and capacity

Easy to run

Low maintenance

Attractive price



ø 32 mm

M 22

0,9/1,3 Kw

MT 3

150 mm

ø 125 mm

300 mm



With rotating table plate and tilting support (MGI).



With reversible tiltable with vice (MGM).

|| STANDARD EQUIPMENT

- Depth scale and adjustable depth stop
- Automatic tool ejector
- Thermomagnetic switch
- Emergency STOP push button
- Spindle reversing switch
- Slow / fast speed selector
- Machined base with coolant tank
- Worklight
- Safety drill guard with microswitch
- CE mark

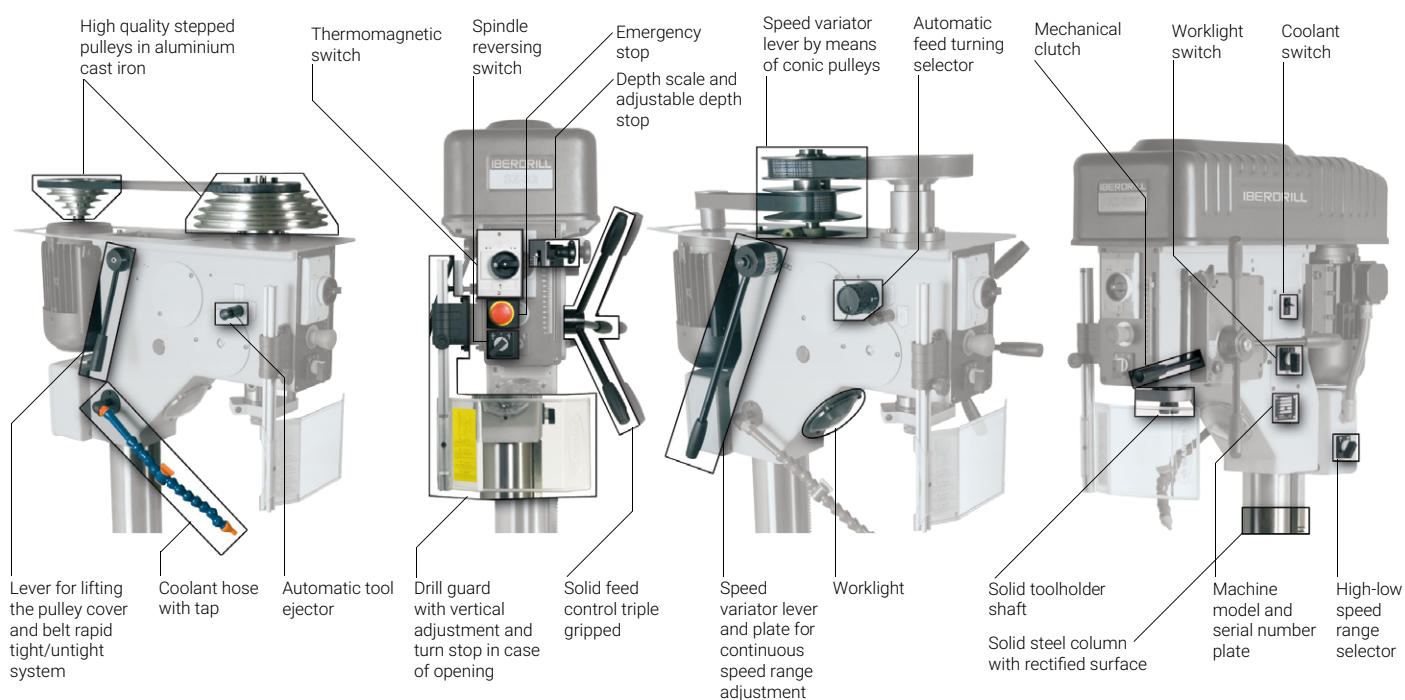
|| OPTIONAL EQUIPMENT

- MGI** Rotating table and tilting support
- MGM** Reversible tiltable with vice
- IR/RS** Manual tapping system
- HB** Hidrobloc automatic feed system
- TAK** Digital rpm counter (only for VE models)
- VE** Variable speed by electronic variator

- IR/RS+VE** Automatic feed reversing system for tapping and Variable speed by electronic variator
- SC** Column riser (200mm)
- LBC** Depth scale digital read-out system

Z SERIES

Round Column - Belt transmission



|| CHARACTERISTICS

SZ-32

SZ-32 VE

AZ-32V

AZ-32VE

Maximum drilling capacity in steel St. 50/60	[ø mm]	32			
Maximum drilling capacity in cast iron 200 Brinell	[ø mm]	35			
Maximum tapping capacity in steel St. 50/60	[mm]	M22			
Maximum tapping capacity in cast iron 200 Brinell	[mm]	M30			
Morse Taper MT	[Nr.]	3			
Maximum spindle stroke (drilling depth)	[mm]	150			
Main motor power	[HP (Kw)]	1,20 / 1,80 (0,9 / 1,3)	3HP	1,20 / 1,80 (0,9 / 1,3)	3HP
Coolant pump motor power	[HP (Kw)]	0,10 (0,07)			
Transmission		Belt drive		Belt drive	Belt drive
Number of speeds		10	3 Continuous	Continuous	3 Continuous
Speed range with motor at 750/1500 rpm 50 Hz Tri. Upon request: Motor at 900/1800 rpm 60 Hz Tri.	[rpm]	145-220-290-345 440-540-690-860- 1080-1720		80-1170	
Speed range with motor at 1500 rpm 50 Hz Tri.	[rpm]		45 – 745 70 – 1125 105 - 1720		45 – 745 70 – 1125 105 - 1720
Feed		Manual	Manual	Automatic	Automatic
Nr. of automatic feeds		-	-	2	2
Automatic feed range	[mm/rev]	-	-	0,1-0,2	0,1-0,2
Worktable dimensions (LxW).	[mm]	400x420			
Column diameter	[mm]	125			
Distance from spindle centre to column face	[mm]	300			
Net weight	[Kg]	260	260	290	290
Gross weight with packing	[Kg]	310	310	340	340
Packing dimensions (length x width x height)	[m]	2,3x0,6x1,1			

Z SERIES

your decision for:



Innovative design

Smooth & Silent

Electronic speed variator

Digital rpm counter

Automatic feed reversing for tapping

Easy to run

Low maintenance



ø 34 mm
ø 40 mm



M 27
M 33



3 Kw
4,12 Kw



MT 4
MT 4



150 mm
180 mm



ø 125 mm
ø 150 mm



300 mm
350 mm



With rotating table plate and tilting support (MGI).



With reversible tiltable with vice (MGM).

|| STANDARD EQUIPMENT

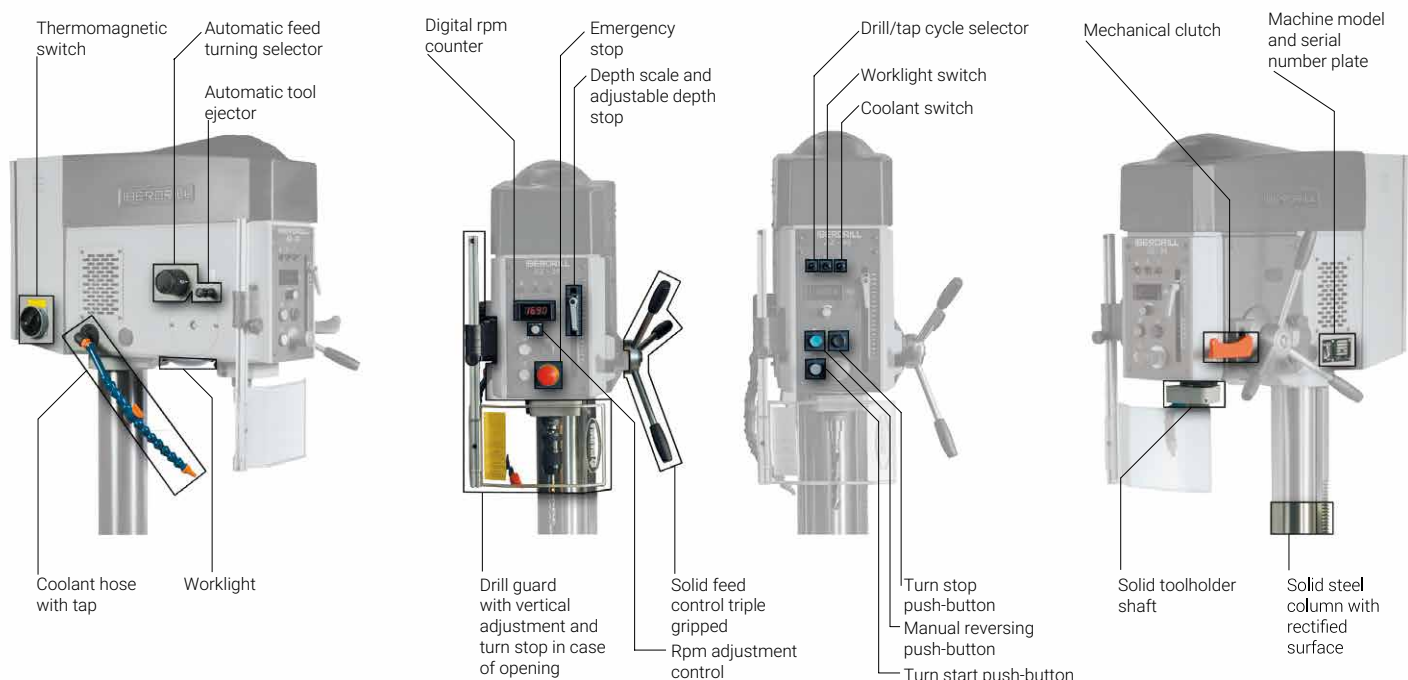
- Electronic speed inverter
- Speed setting potentiometer
- Digital rpm counter
- RS Automatic feed reversing system for tapping
- Depth scale and adjustable depth stop
- Automatic tool ejector
- Emergency STOP push button
- Rightwards turn push-button
- Leftwards turn push-button
- Electric equipment integrated on machine's head
- Machined base with coolant tank
- Worklight
- Safety drill guard with microswitch
- Fixed table only for 34 model
- Rotating and tilting table only for 40 model
- CE Mark

|| OPTIONAL EQUIPMENT

- MGI** Rotating table and tilting support (only for 34 models)
- MGM** Reversible tiltable with vice (only for 34 models)
- ACNL** Pneumatic counterbalance with rapid approach and retract (only for BZ models)
- CI** Integral drilling cycle with encoder (only for BZ models)
- HB** Hidroblock automatic feed system
- UC** Union, dragging cone and assembly for multi-spindle head
- GM** Multi-spindle head guide rod
- SC** Column riser (200 mm)
- CN** Pneumatic counterbalance
- LBC** Depth scale digital read-out system
- CM** Auxiliary commanding box (Start-stop & Emergency stop)
- MB** Security bimanual command (only for BZ model)

Z SERIES

Round Column - Belt transmission



|| CHARACTERISTICS

SZ-34 AZ-34 BZ-34 SZ-40 AZ-40 BZ-40

Maximum drilling capacity in steel St. 50/60	[ø mm]	34		40			
Maximum drilling capacity in cast iron 200 Brinell	[ø mm]	40		45			
Maximum tapping capacity in steel St. 50/60	[mm]	M 27		M 33			
Maximum tapping capacity in cast iron 200 Brinell	[mm]	M 33		M 39			
Morse Taper MT	[Nr.]	4					
Maximum spindle stroke (drilling depth)	[mm]	150		175			
Main motor power	[HP (Kw)]	4 (3)		5,5 (4,12)			
Coolant pump motor power	[HP (Kw)]	0,10 (0,07)					
Transmission		Belt					
Number of speeds		Continuous					
Speed variator type		Electronic					
Speed range with motor at 1500 rpm 50 Hz 3Ph. Upon request: Motor at 1800 rpm 60 Hz 3Ph. (118-2360 rpm)	[rpm]	100-2000					
Feed		Manual	Automatic		Manual	Automatic	
Nr. of automatic feeds		-	3		-	3	
Automatic feed range	[mm/rev]	-	0,1-0,2-0,3		-	0,1-0,2-0,3	
Worktable dimensions (LxW).	[mm]	400x420			480x480		
Column diameter	[mm]	125			150		
Distance from spindle centre to column face	[mm]	300			350		
Net weight	[Kg]	345	360	370	445	460	470
Gross weight with packing	[Kg]	395	410	420	495	510	520
Packing dimensions (length x width x height)	[m]	2,3x0,6x1,1					

CABINETS / BASES / CONTAINERS / LIGHT



PKC
Base cabinet (only for models with intermediate table). Available for **EK/T** series



PKA
Floor cabinet with 2 shelves (only for bench drilling models without coolant). Available for **EK/T** series.



PKB
Floor cabinet with door and shelves. Available for **EK/T** series.



ERB
"T" slotted machine base with coolant pump. Standard for **Z/X/A/B/C** series.

TABLES INCLUDING SUPPORTS



MF
Fixed table. Standard for **EK/T/Z/X(32-34)** series.



MG
Rotating table plate. Optional for **EKL/TL** series.



MGI
Rotating table plate and tilting support. Available for **Z/X/A/B/C** series.



MGM
Reversible rotating tiltable with vice. Available for **Z/X (32/34)** series.

CROSS TABLES



340 XY
Cross table.
X = 220 mm.
Y = 140 mm.
Table net weight = 25 kg.
Available for **EK/T** series.



430 XY
Cross table.
X = 280 mm.
Y = 180 mm.
Table net weight = 40 kg.
Available for **Z/X** series.



600 XY
Cross table.
X = 400 mm.
Y = 180 mm.
Table net weight = 52 kg.
Available for **Z/X(32-34)** series.



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



PV
Safety drill guard against chips
with a micro-switch.
Standard in all series.



EL
Worklight.
**Standard in all series. Except
professional series.**



1000 XY
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.



LDG
Digital read-out system for the table.

SPEED CONTROL / MEASURE / TAPPING



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



ACNL
Automatic drilling cycle with rapid approach, working feed and rapid retract.
Available for **B** models on **Z/X/B** series.



CI
Integral drilling cycle with encoder (recommended for tube and profile drilling, deep drilling operations, etc.).
Available for **B** models on **Z/X/B** series.



HB
Hydro-pneumatic power feed unit.
Available for **EK/T/Z/X** series (only for manual feed models).

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.



IR/RS
Manual tapping system.
Standard for **Z(34-40)** y **C** serie.
Available for all series.



RHP
Automatic threading system by
master spindle (includes one tapping
pitch)
Available for **X/A/B** series.



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



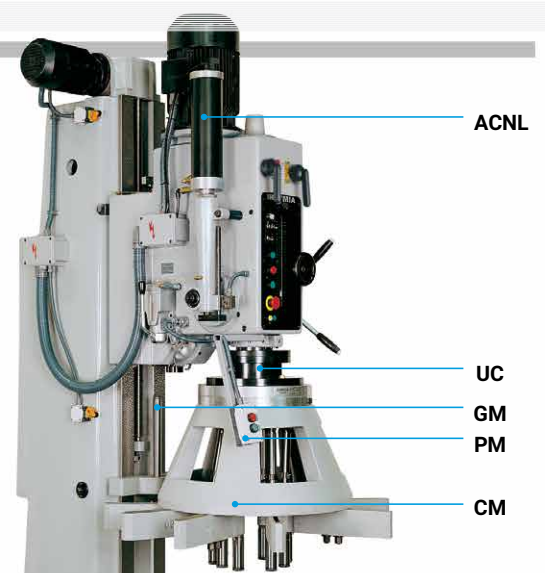
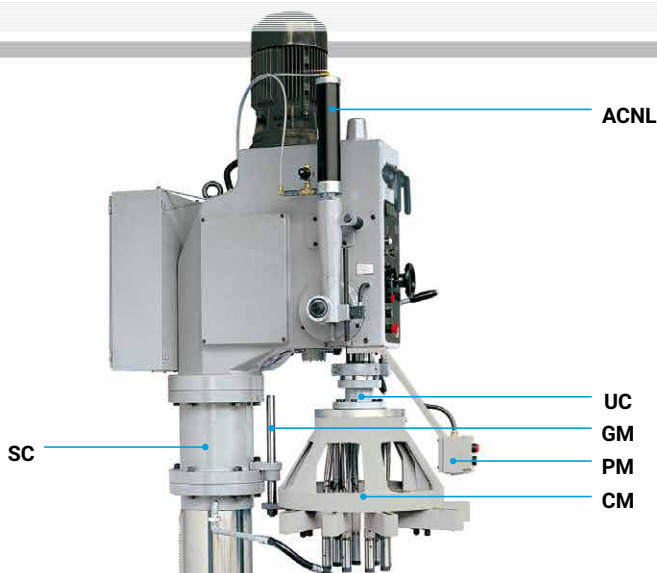
CM
Multi-spindle drilling heads with
fixed or adjustable spindles.
Available for all series.



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



MQL
Microlubrication system.
Available for all series.



STANDARD VICES



L-100
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.



L-125
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.



M-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.



M-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.

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.

CHUCKS, FOOT PEDALS...



PIC
Cycle or spindle turn START foot pedal.

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



PPE
Emergency STOP foot pedal.
Available for all series.



PF-150

Vise with fixed base
(Heavy Series).
Maximum opening: 160 mm.
Jaw width: 150 mm.
Jaw height: 44 mm.
Net weight: 28 Kg.
Available for **A/B/C/F** series.



PG-150

Vise with swiveling base
(Heavy Series).
Maximum opening: 160 mm.
Jaw width: 150 mm.
Jaw height: 44 mm.
Net weight: 37 Kg.
Available for **A/B/C/F** 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.



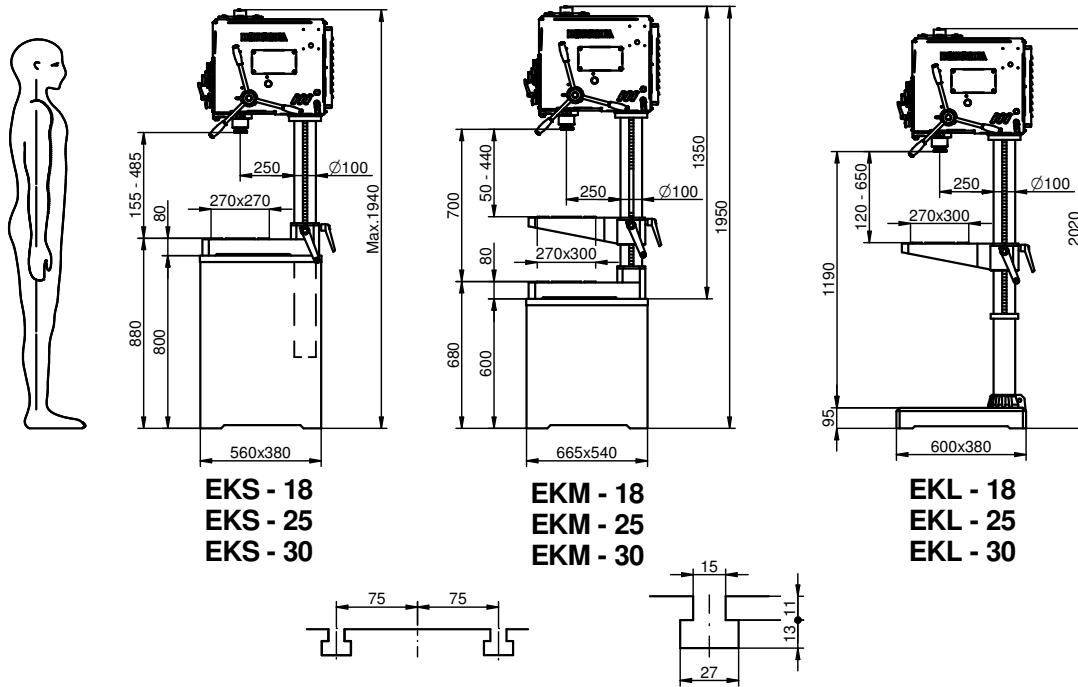
ISO 40

Spindle with quick change nut.
Available for **EBF-35** models.

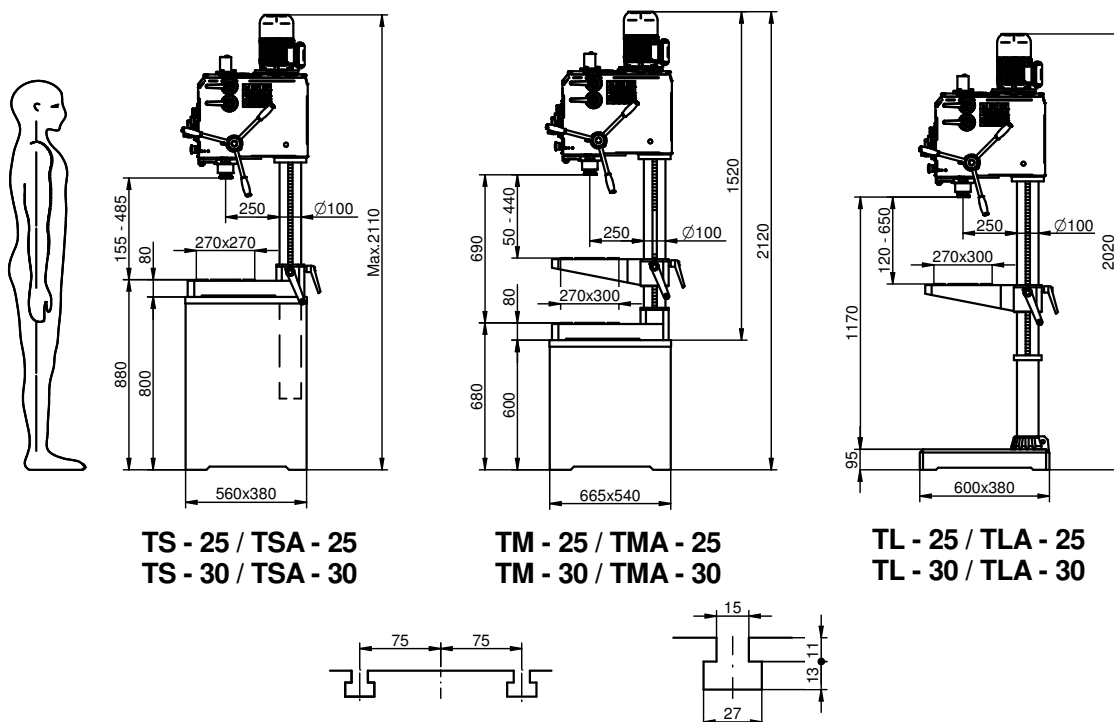
DIMENSIONS

Round column

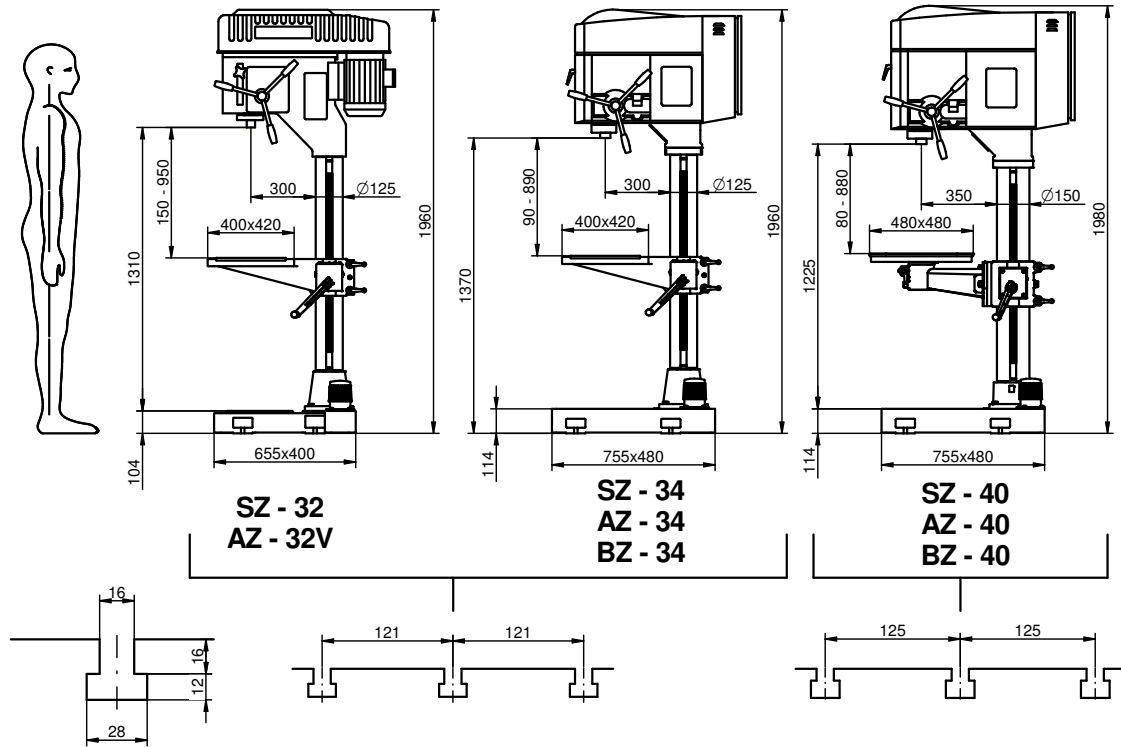
EK SERIES



T SERIES



Z SERIES



X SERIES

