

**ERLO
GROUP**

DRILLS

**GENERAL
CATALOGUE
2025**



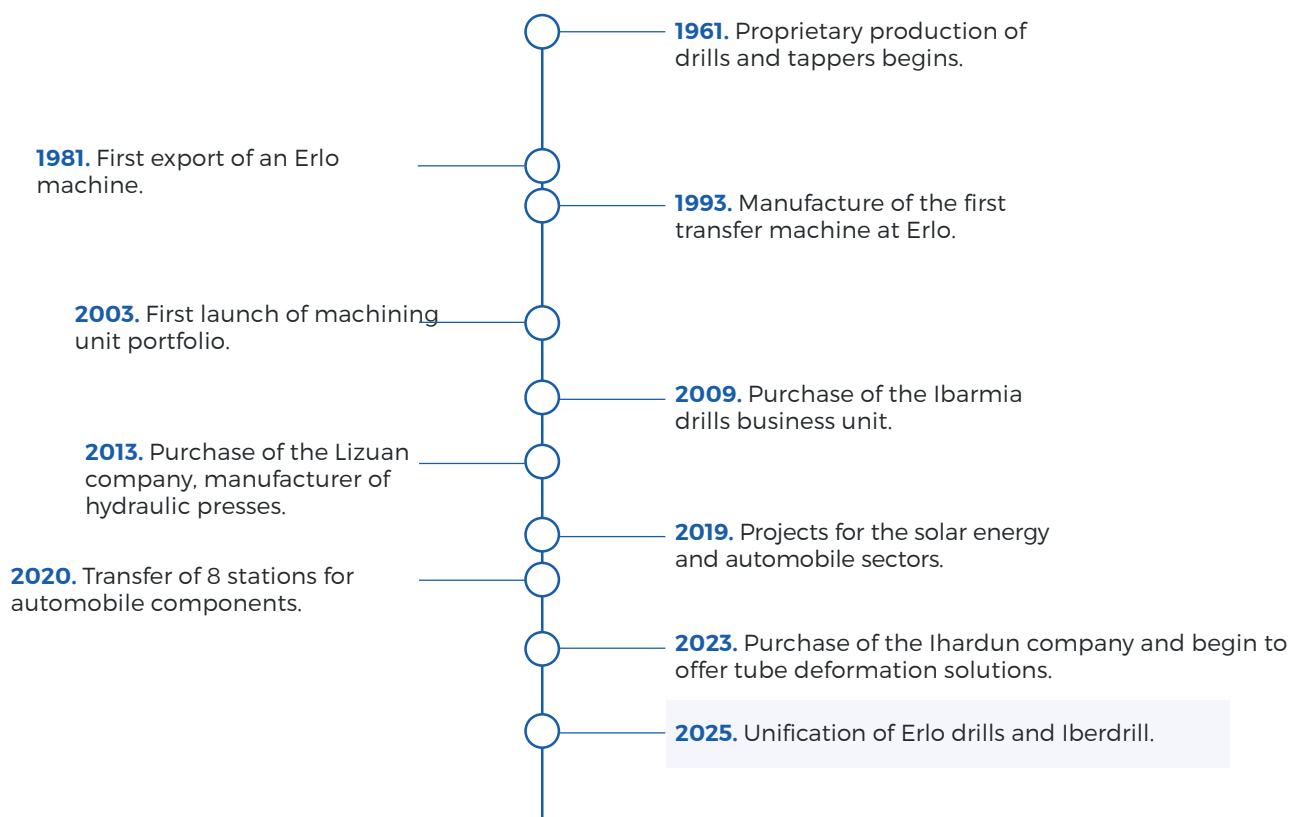
**WE MANUFACTURE THE
MOST RELIABLE AND ROBUST
DRILLING MACHINES ON THE
MARKET.**

**AN INVESTMENT FOR
A LONG TIME.**



OUR ORIGINS

Since 1961, Erlo has been committed to quality. We began with craftsman manufacture of drilling and tapping machines with raw materials from Euskadi. With over 60 years in the sector and international recognition, we offer comprehensive solutions that combine craftsman tradition and advanced technology. Our service spans everything from personalised design to after-sales service, adapting to the global market's needs. Durability and exceptional performance are the seal of our solutions, known all around the world.



TECHNOLOGICAL LEADERSHIP

For over 60 years, we have pushed to evolve toward solutions that combine advanced engineering and cutting-edge technology. From manufacturing our first machines to the most complex systems, we have focused on providing productive solutions that meet the most stringent demands in the industrial sector. This innovative focus allows us to lead the market with proposals that stand out with their robustness, precision, and adaptability.



GLOBAL SOLUTIONS WITH PERFORMANCE GUARANTEE

At **Erlo**, we offer a comprehensive service that includes everything from personalised design to start-up and after sales service. Thanks to our presence all around the world and the combination of craftsman processes with cutting-edge technology, we guarantee long-lasting and high-performance solutions.

ERLO GROUP QUALITY

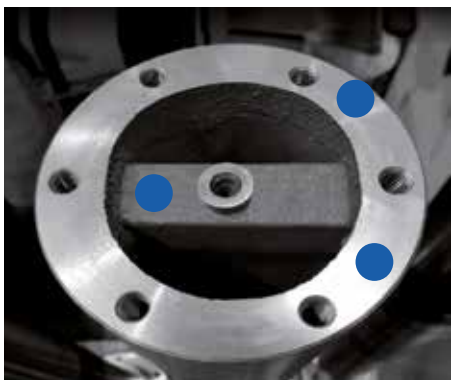
At **ERLO GROUP**, quality is not just a word. Our machines are designed to provide robustness and durability, maintaining exceptional performance even after several decades of ongoing use. We pay special attention to the design of the head and column to reduce vibrations and noise, applying high constructive safety standards that guarantee reliable operation in any industrial setting.



INNOVATION IN EACH COMPONENT

MORE WEIGHT FOR MORE QUALITY

Our machines stand out with their superior robustness, a key characteristic that ensures greater stability and performance.



THE ERLO GROUP HEAD

Made with thick walls and high-quality cast iron, this guarantees excellent resistance and vibration absorption, with homogeneous heat distribution, even under ongoing use.

THE ERLO GROUP COLUMN

This is one single cast iron part, with a large exterior diameter, greater wall thickness, and reinforcing bar along the entire column. This provides absorption of vibrations and efforts in a more effective manner, avoiding all kinds of torsion.



PRECISION TRANSMISSION

We combine the smoothness and agility of pulleys with the power of hardened steel gears, machined and ground in-house. Thanks to this gear transmission, **ERLO** drills can withstand tasks that require high torque.



INNOVATION IN ENGINEERING, PART OF OUR DNA

We are focused on constantly evolving our work and production techniques, guided by a detailed technical analysis that drives innovation in usability, ergonomics, and design. Advanced engineering is our seal of distinction, offering automated and long-lasting solutions that meet the highest quality standards and provide a certified guarantee.

LINE

PRODUCTION DRILLING MACHINES

S SERIES	<i>Bench drills, pulley transmission</i> Drilling capacity in steel up to Ø18-25-30 mm	PAGE 10
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C SERIES	<i>Round column drilling machine, pulley transmission</i> Drilling capacity in steel up to Ø18-25-30 mm	PAGE 18
TS SERIES	<i>Round column drilling machine, gear transmission</i> Drilling capacity in steel up to Ø25-30 mm	PAGE 22
Z SERIES	<i>Round column drilling machine, pulley transmission</i> Drilling capacity in steel up to Ø35/40 mm	PAGE 26
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A SERIES	<i>Round column drilling machine, gear transmission</i> Drilling capacity in steel up to Ø40-50 mm	PAGE 34
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BC SERIES	<i>Round column drilling machine, gear and pulley transmission</i> Drilling capacity in steel up to Ø50 mm	PAGE 42

MAINTENANCE DRILLING MACHINES

V SERIES

Bench drilling machine, pulley transmission
Drilling capacity in steel up to Ø10-13-15 mm

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G SERIES

Round column drilling machine, gear transmission
Drilling capacity in steel up to Ø32-40-50 mm

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TAPPERS

SH SERIES

Automatic bench tapping machine, pulley transmission
Tapping capacity in steel M14

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SHE SERIES

Automatic bench tapping machine, gear transmission
Tapping capacity in steel up to M20-M22

PAGE 62

MILLING DRILLING MACHINES

TF SERIES

Column-type drilling-milling machine with gear transmission
Drilling capacity in steel up to Ø35 mm
Maximum drilling capacity in steel: up to 55cm³/min

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GANG DRILLING MACHINES

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ACCESSORIES

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SPECIAL ASSEMBLY

PAGE 76

V-BELT TRANSMISSION

S SERIES 18-25-30



- MANUAL FEED
- FIXED TABLE, SLIDING AND ROTATING HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



[+]

- Base with "T" slots
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Belt cover with stop micro
- Motor guard
- Emergency push button
- Main switch
- Rotation direction selection
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- CE norms



FEATURES		S.18	S.25	S.30
Maximum drilling capacity in steel 50/60	Ø mm	18	25	30
Maximum tapping capacity in steel 50/60		M14	M18	M25
Morse cone	Num.	3		
Maximum spindle stroke (drilling depth)	mm	120		
Main motor power	KW	0.5/1	0.7/1.3	0.9/1.5
Transmission		V-belts		
Number of speeds		10		
Speed range with motor at 1500 rpm 50 Hz 3Ph	rpm	245-355-490-710-835-1240-1670-2000-2480-4000		
Speed range with electronic speed variator at 1500 rpm 50 Hz 3Ph	rpm	A)120-760 B)170-1100 C)400-2580 D)600-3800 E)950-6000		
Feed		Manual		
Worktable dimensions (LxW)	mm	270 x 270	270 x 270	270 x 270
Column diameter	mm	100		
Distance from the spindle centre to the face of the column	mm	250		
Net weight <i>Without and with intermediate table</i>	kg	190/230	190/230	190/230
Gross weight with packaging <i>Without and with intermediate table</i>	kg	200/250		
Packaging dimensions (length x width x height) <i>Without and with intermediate table</i>	mm	700x570x1360 /700x570x1840	700x570x1360 /700x570x1840	700x570x1360 /700x570x1840

OPTIONAL FITTINGS

CODE

10020	V - Frontal wheel for sensitive feed.
10022	LBC - Digital depth reader
10023	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
10043	IR/RS-VE - Automatic rotation inversion for manual tapping (for models with variator)
10082	PKB - Base cabinet with drawer and door
10083	PKA - Base cabinet with 2 shelves (only for bench drills without cooling)
10084	PKC - Base cabinet with door (only for models with MIF or MIG)
10085	CC - Cycle counter (for machines with hydroblock)
10087	MIF - Fixed intermediate table
10088	MIG - Rotating intermediate table
10110	SC - Column supplement 200 mm
10120	HB - Automatic hydroblock cycle
91118	ERB - Cooling equipment in base

** For machines with intermediate table, the base has no drawer. (ref. PKC)*

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



BIMANUAL COMMAND



CROSS TABLE



MULTIPLE HEADS

GEAR TRANSMISSION

SE SERIES 25-30



- MANUAL OR AUTOMATIC FEED
- FIXED TABLE, SLIDING AND ROTATING HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 25 mm
ø 30 mm



M 22
M 25



0.8/1.2 kW
1.1/1.4 kW



CM3



120 mm



ø 100 mm



250 mm

[+]

- Hardened and ground steel gears
- Base with "T" slots
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Gears greased by automatic pump
- CE norms



FEATURES		SE.25 / SEA.25	SE.30 / SEA.30
Maximum drilling capacity in steel 50/60	Ø mm	25	30
Maximum tapping capacity in steel 50/60		M22	M25
Morse cone	Num.	3	
Maximum spindle stroke (drilling depth)	mm	120	
Main motor power	KW	0.8/1.2	1.1/1.4
Transmission		Gears	
Number of speeds		8	
Speed range with motor at 1500 rpm 50 Hz 3Ph	rpm	65-125-185-365-540-1055-1560-3060	
Speed range with electronic speed variator at 1500 rpm 50 Hz 3Ph	rpm	A)45-125 B)125-370 C)380-1070 D)1100-3100	
Feed		Manual (SE) / Automatic (SEA)	
Number of automatic feeds		2 (only in SEA models)	
Automatic feed range	mm/rev	0.1-0.2 (only in SEA models)	
Worktable dimensions (LxW)	mm	270 X 270	270 X 270
Column diameter	mm	100	
Distance from the spindle centre to the face of the column	mm	250	
Net weight <i>Without and with intermediate table</i>	kg	200 /240	200 /240
Gross weight with packaging <i>Without and with intermediate table</i>	kg	210/260	210/260
Packaging dimensions (length x width x height) <i>Without and with intermediate table</i>	mm	800x600x1450 800x570x1930	800x600x1450 800x570x1930

OPTIONAL FITTINGS

CODE

10020	V - Frontal wheel for sensitive feed (only for SE models)
10022	LBC - Digital depth reader
10023	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
10043	IR/RS-VE - Automatic rotation inversion for manual tapping for models with variator
10082	PKB - Base cabinet with drawer and door
10083	PKA - Base cabinet with 2 shelves (only for bench drilling machines without cooling)
10084	PKC - Base cabinet with door (only for models with MIF or MIG)
10085	CC - Cycle counter (for machines with hydroblock)
10087	MIF - Fixed intermediate table
10088	MIG - Rotating intermediate table
10110	SC - Column supplement 200 mm
10120	HB - Automatic hydroblock cycle (only for SE models)
91118	ERB - Cooling equipment in base

** For machines with intermediate table, the base has no drawer. (ref. PKC)*

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



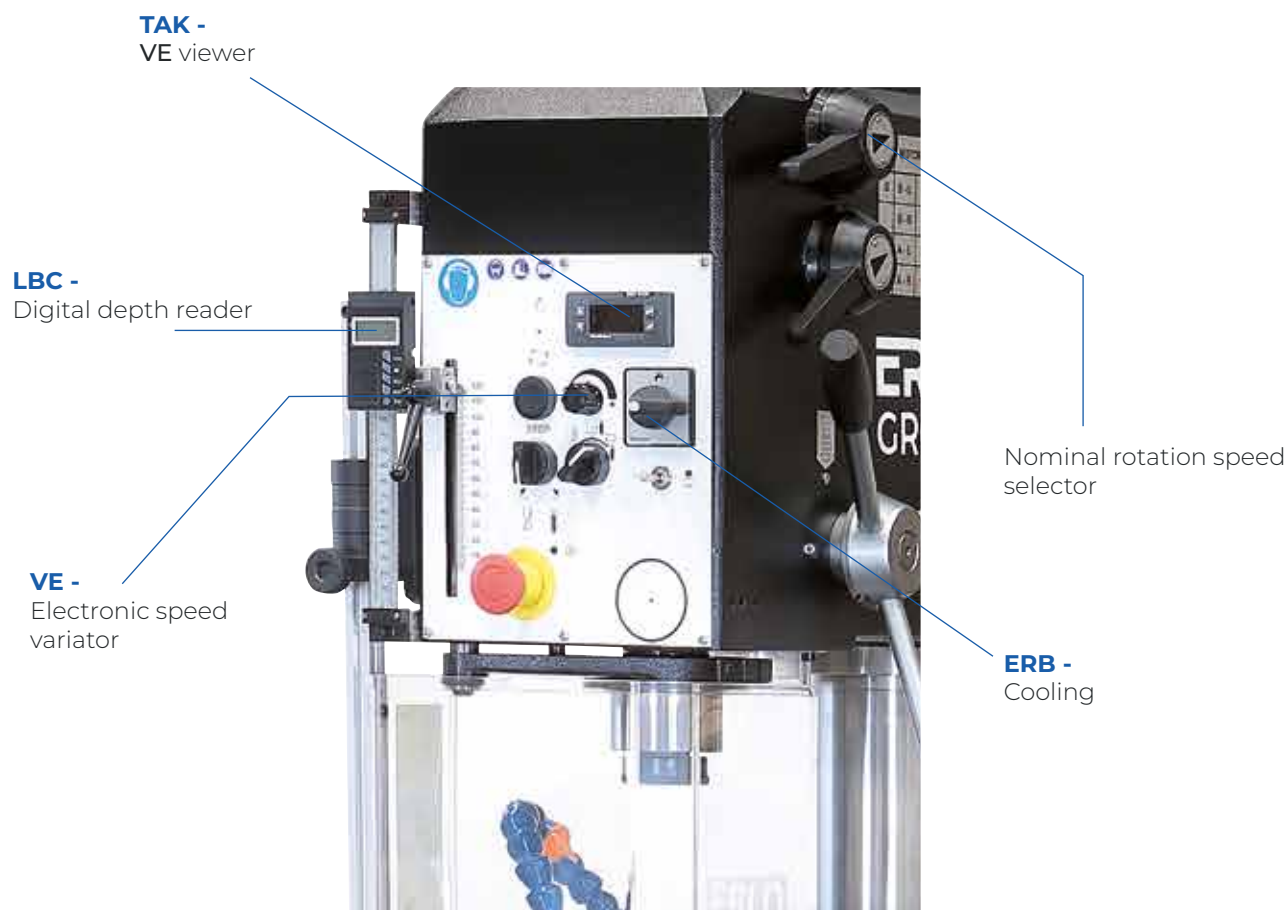
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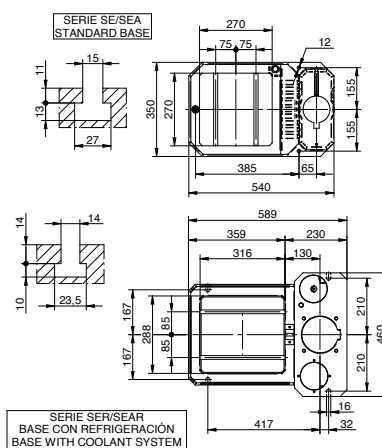
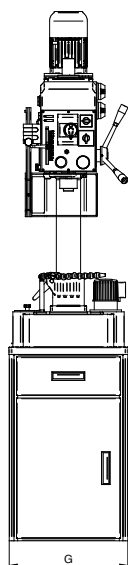
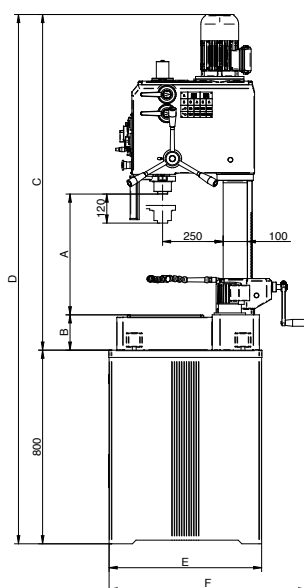
CROSS TABLE



MULTIPLE HEADS



DIMENSIONS



Serie	SE/SEA	SER/SEAR
A	155-485	225-555
B	80	150
C	935-1265	1070-1400
D	1735-2065	1870-2200
E	560	630
F	650	820
G	380	490

V-BELT TRANSMISSION

C SERIES 18-25-30



- MANUAL FEED
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 18 mm
ø 25 mm
ø 30 mm



M 14
M 18
M 25



0.5/1 kW
0.7/1.3 kW
0.9/1.5 kW



CM3



120 mm



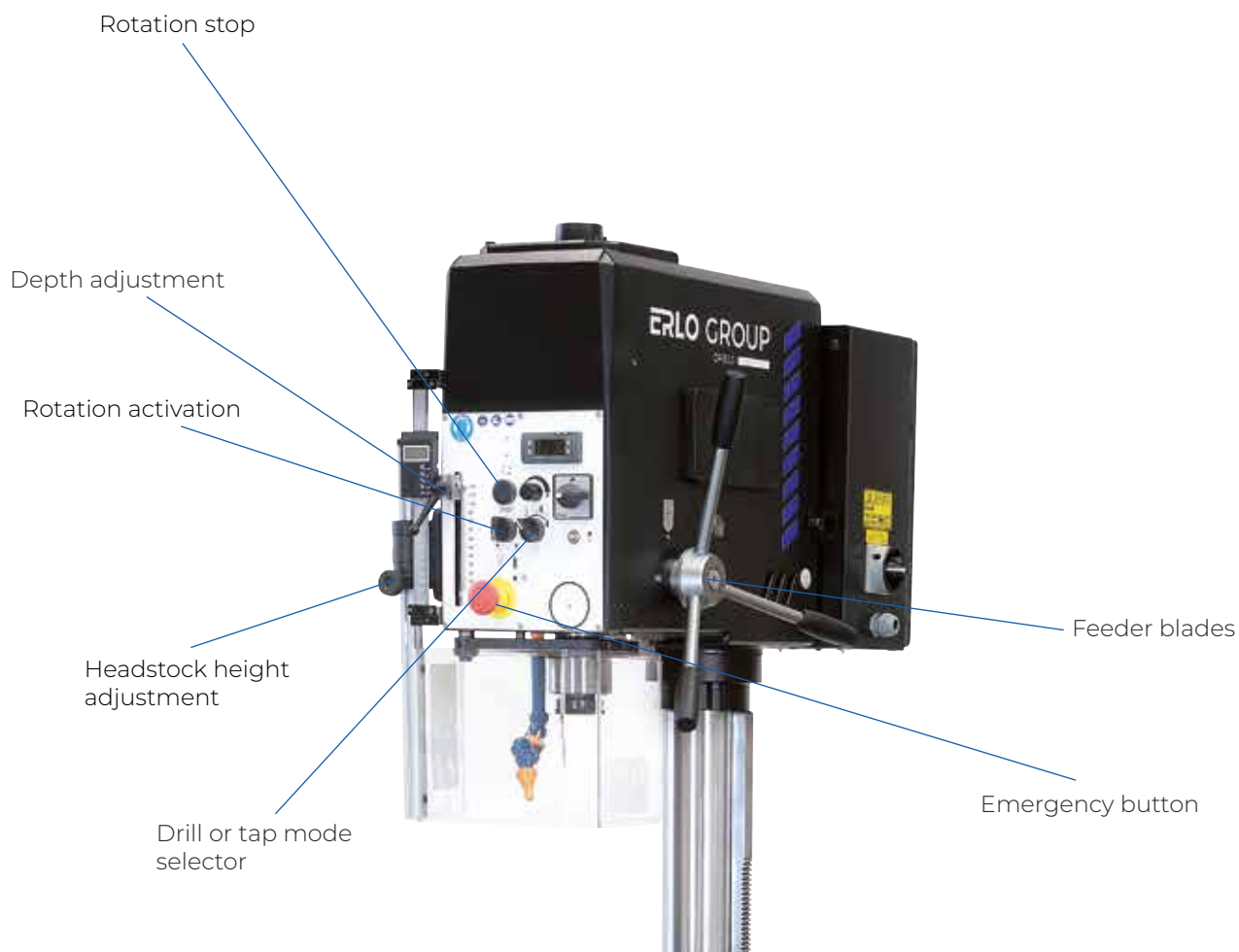
ø 100 mm



250 mm

[+]

- Adjustable depth end
- Lighting equipment
- Tool ejector
- Belt cover with stop micro
- Motor guard
- Emergency push button
- Main switch
- Rotation direction selection
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Fixed table
- CE norms



FEATURES		C.18	C.25	C.30
Maximum drilling capacity in steel 50/60	Ø mm	18	25	30
Maximum tapping capacity in steel 50/60		M14	M18	M25
Morse cone	Num.	3		
Maximum spindle stroke (drilling depth)	mm	120		
Main motor power	KW	0.5/1.05	0.7/1.3	0.9/1.5
Transmission		V-belts		
Number of speeds		10		
Speed range with motor at 1500 rpm 50 Hz 3Ph	rpm	245-355-490-710-835-1240-1670-2000-2480-4000		
Speed range with electronic speed variator at 1500 rpm 50 Hz 3Ph	rpm	A)120-760 B)170-1100 C)400-2580 D)600-3800 E)950-6000		
Feed		Manual		
Worktable dimensions (LxW)	mm	270 X 300	270 X 300	270 X 300
Column diameter	mm	100		
Distance from the spindle centre to the face of the column	mm	250		
Net weight	kg	260	260	260
Gross weight with packaging	kg	330	330	330
Packaging dimensions (length x width x height)	mm	2100x570x800	2100x570x800	2100x570x800

OPTIONAL FITTINGS

CODE

10020	V - Frontal wheel for sensitive feed.
10022	LBC - Digital depth reader
10023	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
10043	IR/RS-VE - Automatic rotation inversion for manual tapping for models with variator
20070	RHP - Automatic tapping system with standard spindle (includes one thread pitch)
20082	MG - Rotating table
10085	CC - Cycle counter (for machines with hydroblock)
10110	SC - Column supplement 200 mm
10120	HB - Automatic hydroblock cycle
91118	ERB - Cooling equipment in base

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



BIMANUAL COMMAND



CROSS TABLE



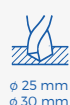
MULTIPLE HEADS

GEAR TRANSMISSION

TS SERIES 25-30



- MANUAL OR AUTOMATIC FEED
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 25 mm
ø 30 mm



M 22
M 25



0.8/1.2 kW
1.1/1.4 kW



CM3



120 mm



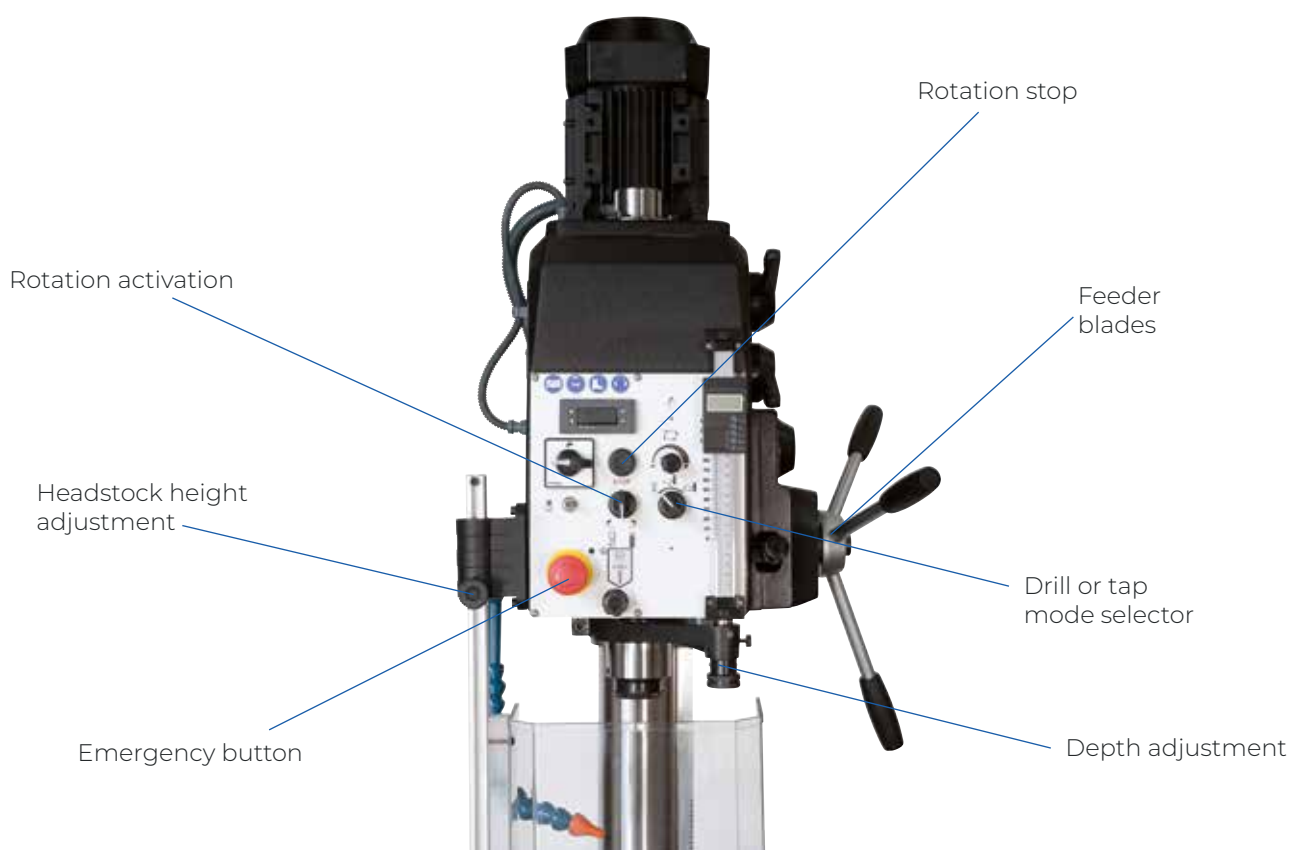
ø 100 mm



250 mm

[+]

- Hardened and ground steel gears
- Table with "T" slots
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Fixed table
- Gears greased by automatic pump
- CE norms



FEATURES		TS.25 / TSA.25	TS.30 / TSA.30
Maximum drilling capacity in steel 50/60	Ø mm	25	30
Maximum tapping capacity in steel 50/60		M22	M25
Morse cone	Num.	3	
Maximum spindle stroke (drilling depth)	mm	120	
Main motor power	KW	0.8/1.2	1.1/1.4
Transmission		GEARS	
Number of speeds		8	
Speed range with motor at 1500 rpm 50 Hz 3Ph	rpm	65-125-185-365-540-1055-1560-3060	
Upon request: Motor at 1800 rpm 60 Hz 3HP		78-150-222-438-648-1266-1872-3672	
Speed range with variator 1500 rpm 50 Hz 3Ph	rpm	A)45-125 B)125-370 C)380-1070 D)1100-3100	
Feed		MANUAL (TS.25-30) / AUTOMATIC (TSA.25-30)	
Worktable dimensions (LxW)	mm	300 X 270	300 X 270
Column diameter	mm	100	
Distance from the spindle centre to the face of the column	mm	250	
Net weight	kg	250	250
Gross weight with packaging	kg	310	310
Packaging dimensions (length x width x height)	mm	2200x600x900	2200x600x900

OPTIONAL FITTINGS

CODE

10020	V - Frontal wheel for sensitive feed (only for TS models)
10022	LBC - Digital depth reader
10023	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
10043	IR/RS-VE - Automatic rotation inversion for manual tapping for models with variator
20070	RHP - Automatic tapping system with standard spindle (includes one thread pitch)
20082	MG - Rotating table
10085	CC - Cycle counter (for machines with hydroblock)
10110	SC - Column supplement 200 mm
10120	HB - Automatic hydroblock cycle (only for TS models)
91118	ERB - Cooling equipment in base

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



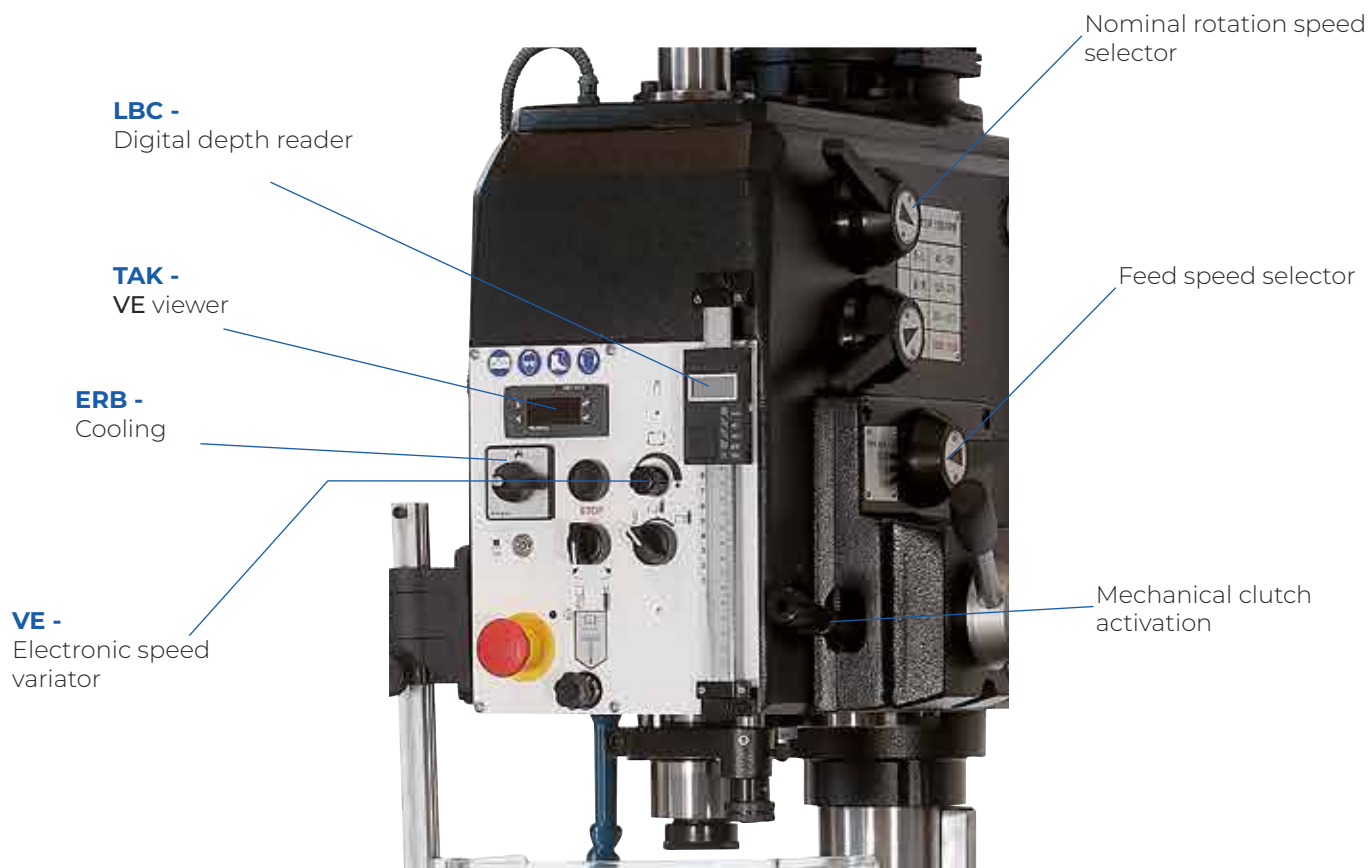
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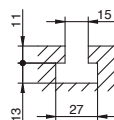
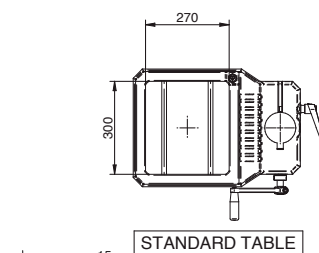
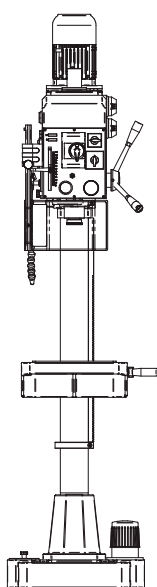
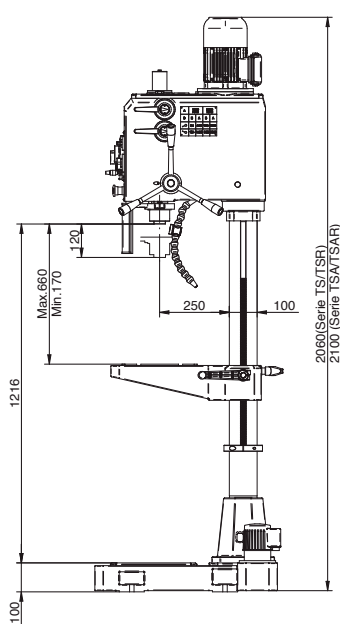
CROSS TABLE



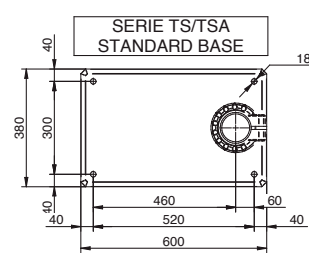
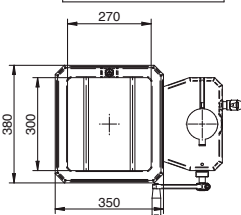
MULTIPLE HEADS



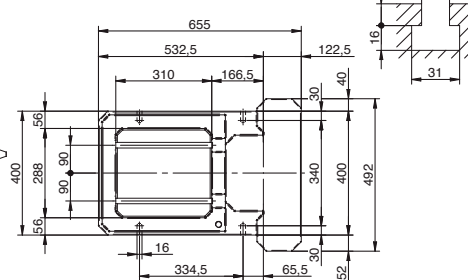
DIMENSIONS



MESA GIRATORIA
ROTATING TABLE



SERIE TSR/TSAR
BASE CON REFRIGERACIÓN
BASE WITH COOLANT SYSTEM



V-BELT TRANSMISSION

Z SERIES 35-40



- MANUAL FEED (S) OR AUTOMATIC FEED WITH MECHANICAL (A) OR ELECTROMAGNETIC (B) CLUTCH
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 35 mm
ø 50 mm



M 27
M 33



3 kW
4.12 kW



CM4
CM4



150 mm
180 mm



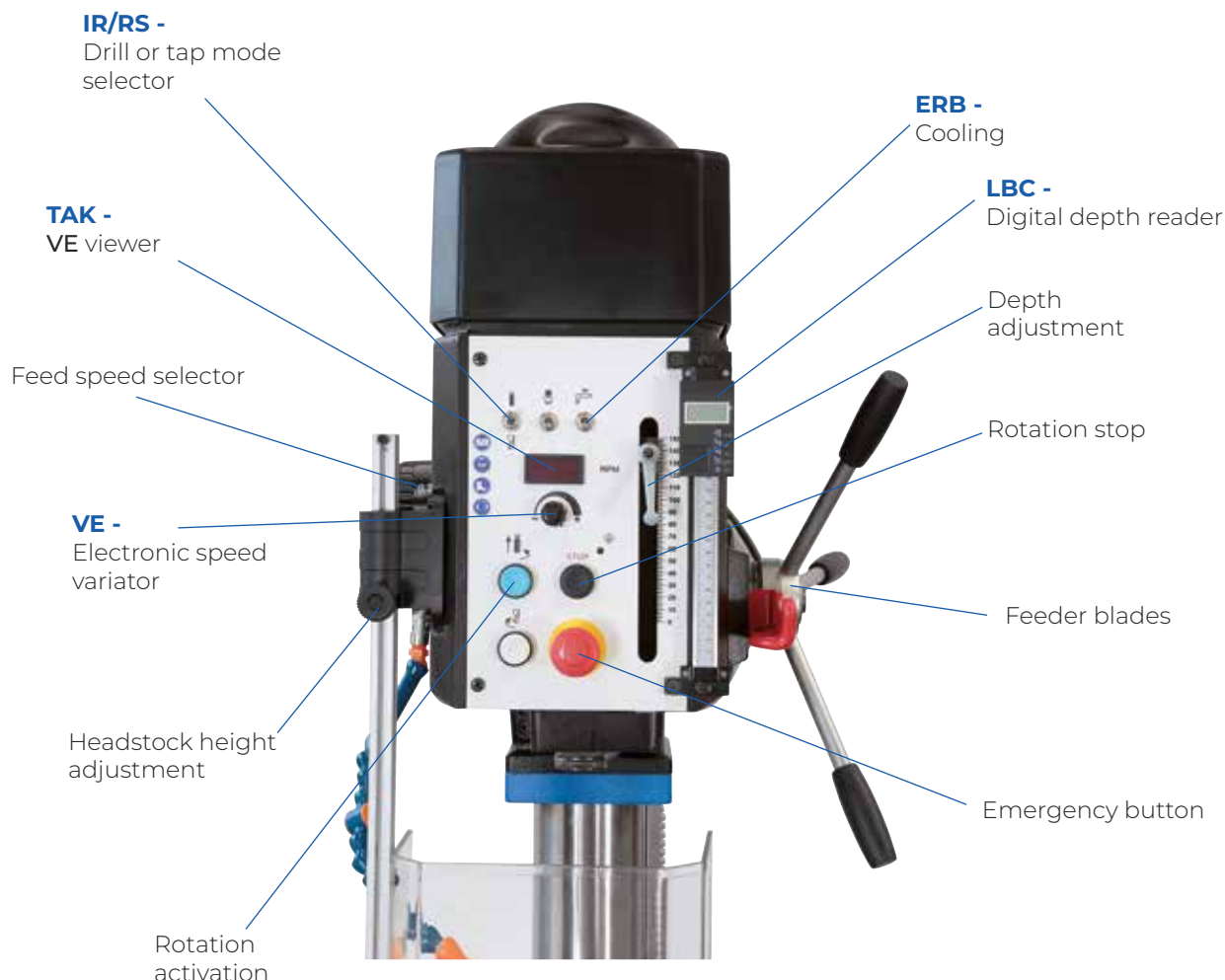
ø 125 mm
ø 150 mm



300 mm
350 mm

[+]

- Table with "T" slots
- Electronic speed variator
- Digital speed viewer
- Cooling equipment in base (40 models)
- Automatic rotation inversion for tapping processes
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Motor guard
- Emergency push button
- Main switch
- Rotation direction selection
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Fixed table (35 models)
- Tilting rotary table (40 models)
- CE norms



FEATURES		SZ.35	AZ.35	BZ.35	SZ.40	AZ.40	BZ.40
Maximum drilling capacity in steel 50/60	Ø mm	35			40		
Maximum tapping capacity in steel 50/60		M27			M33		
Morse cone	Num.	4					
Maximum spindle stroke (drilling depth)	mm	150			175		
Main motor power	KW	3			4.12		
Transmission		V-belts					
Number of speeds		Continuous					
Speed variator type		Electronic					
Speed range with motor at 1500 rpm 50Hz 3HP. <i>Upon request: Motor at 1800 rpm 60 Hz 3HP</i>	rpm	100-2000					
Feed		Manual	Automatic		Manual	Automatic	
Number 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 the spindle centre to the face of the column	mm	300			350		
Net weight	kg	345	360	370	445	460	470
Gross weight with packaging	kg	395	410	420	495	510	520
Packaging dimensions (length x width x height)	mm	2340x610x1160					

OPTIONAL FITTINGS

CODE

10022	LBC - Digital depth reader
30084	MGI - Tilting rotary table (for 35 models, standard for 40 models)
20087	MGM - Reversible tilting rotary table with vice (only for 35 models)
40100	ACNL - Rapid approach and retraction with pneumatic counterweight (only for BZ models)
30145	CI - Comprehensive cycle with encoder (only for BZ models)
10120	HB - Automatic hydroblock cycle (only for SZ models)
10110	SC - Column supplement 200 mm
91118	ERB - Cooling equipment in base (for 35 models, standard for 40 models)

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



BIMANUAL COMMAND



CROSS TABLE



MULTIPLE HEADS

LBC -
Digital depth reader

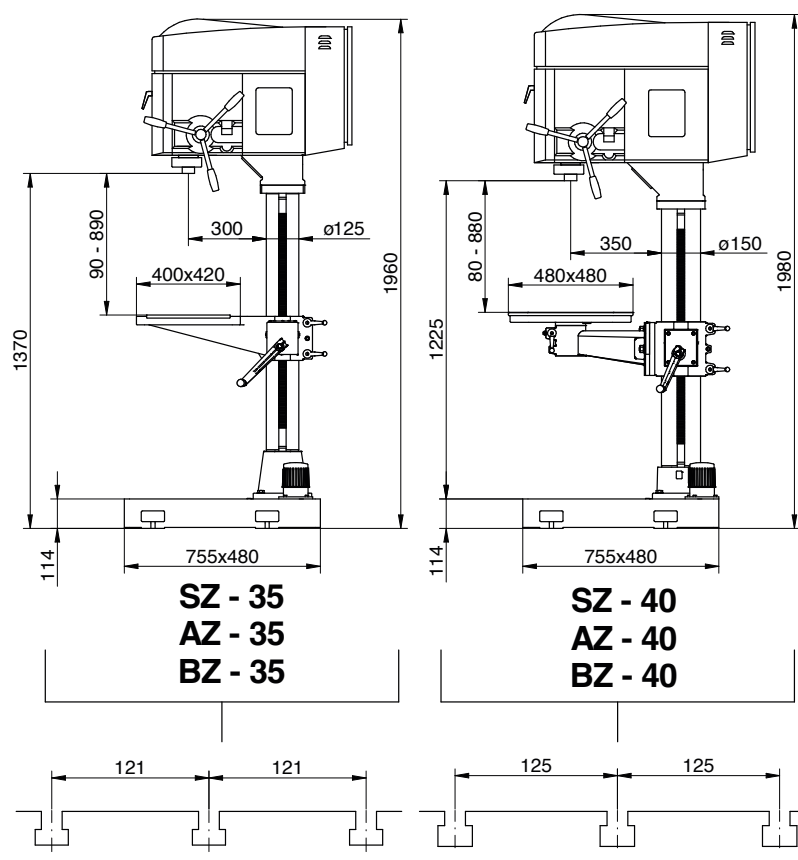
TAK -
VE viewer

VE -
Electronic speed
variator

Mechanical clutch
activation



DIMENSIONS



GEAR TRANSMISSION

X SERIES 35-40



- ▮ MANUAL FEED (S) OR AUTOMATIC FEED WITH MECHANICAL (A) OR ELECTROMAGNETIC (B) CLUTCH
- ▮ SLIDING TABLE AND FIXED HEADSTOCK
- ▮ CAST IRON HEAD, BASE, AND COLUMN



ø 35 mm
ø 40 mm



M 27
M 33



1.5 kW
2.2 kW



CM4
CM4



150 mm
180 mm



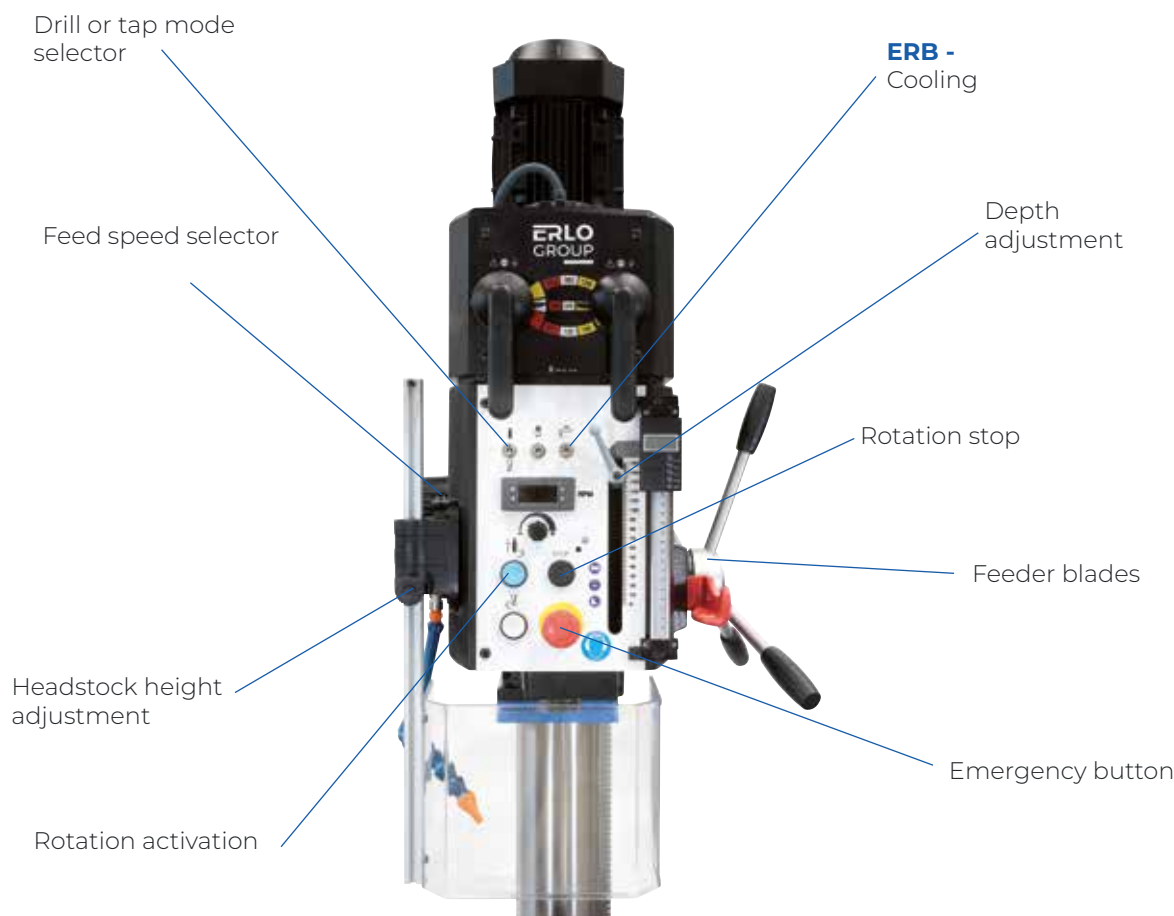
ø 125 mm
ø 150 mm



300 mm
350 mm

[+]

- Hardened and ground steel gears
- Front arrangement of the plate and speed selection controls
- Table/base with "T" slots
- Cooling equipment in base (40 models)
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Fixed table (35 models)
- Tilting rotary table (40 models)
- Gears greased by automatic pump
- CE norms



FEATURES		SX.35	AX.35	BX.35	SX.40	AX.40	BX.40
Maximum drilling capacity in steel 50/60	Ø mm	35			40		
Maximum tapping capacity in steel 50/60		M24			M33		
Morse cone	Num.	4					
Maximum spindle stroke (drilling depth)	mm	150			175		
Main motor power	KW	1.5			2.2		
Transmission		Gears					
Number of speeds		9					
Speed range with motor at 1500 rpm 50Hz 3HP	rpm	132-194-277-319-466-666-883-1296-1852					
Speed range with variator and motor at 1500 rpm 50Hz 3HP	rpm	A)66-211 B)97-310 C)138-443 D)160-510 E)233-746 F)333-1066 G)440-1413 H)648-2074 I)926-2963					
Feed	rpm	Manual	Automatic		Manual	Automatic	
Number of automatic feeds		3					
Automatic feed range	mm/rev	0.1-0.2-0.3					
Worktable dimensions (LxW)	mm	400x420			480x480		
Column diameter	mm	125			150		
Distance from the spindle centre to the face of the column	mm	300			350		
Net weight	kg	385	400	410	475	490	500
Gross weight with packaging	kg	435	450	460	525	540	550
Packaging dimensions (length x width x height)	mm	2310x600x1100					

OPTIONAL FITTINGS

CODE

10022	LBC - Digital depth reader
10023	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
30084	MGI - Tilting rotary table (for 35 models, standard for 40 models)
20087	MGM - Reversible tilting rotary table with vice (only for 35 models)
20070	RHP - Automatic tapping system with standard spindle (includes one thread pitch)
10120	HB - Automatic hydroblock cycle (only for SX models)
40100	ACNL - Rapid approach and retraction with pneumatic counterweight (only for BX models))
30145	CI - Comprehensive cycle with encoder (only for BX models)
10110	SC - Column supplement 200 mm
91118	ERB - Cooling equipment in base (for 35 models, standard for 40 models)

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



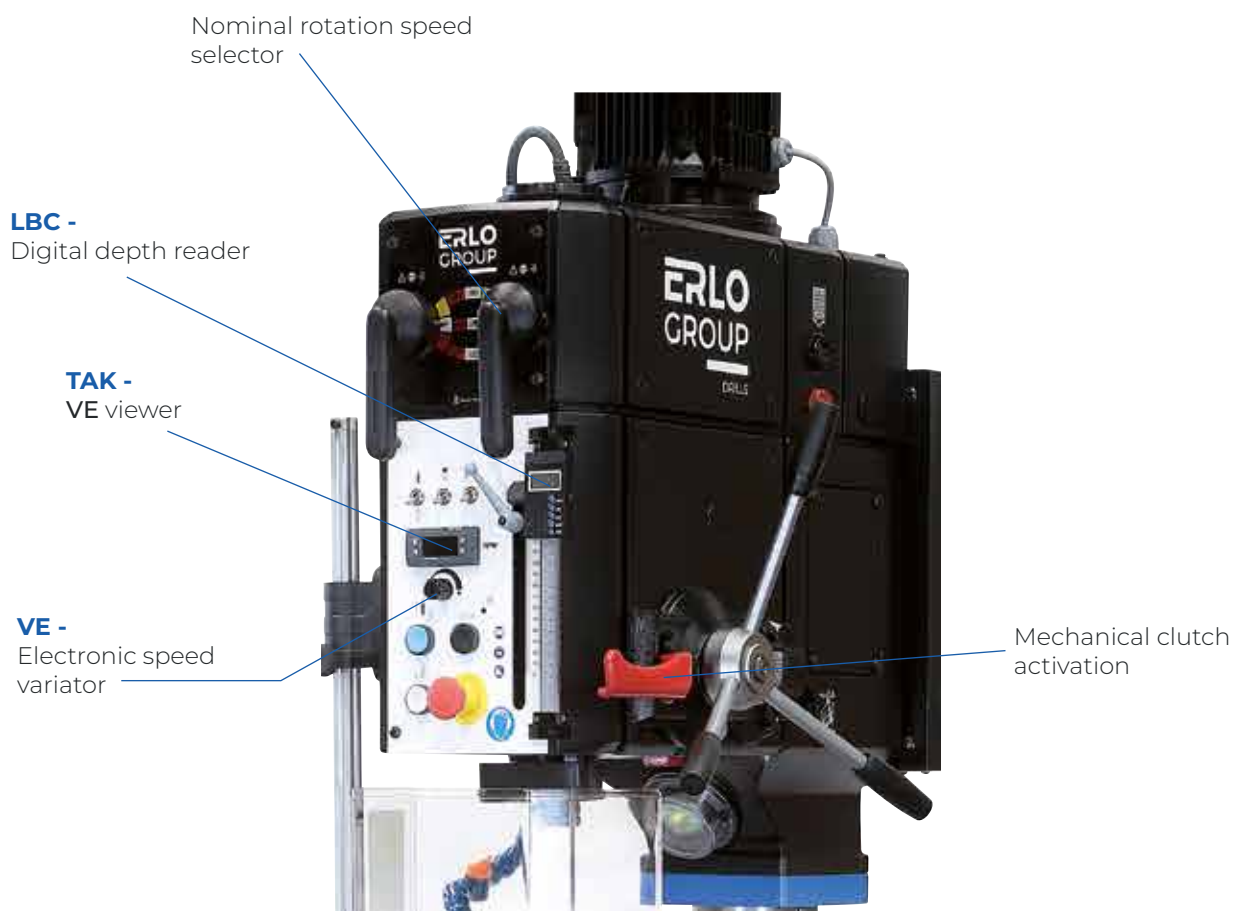
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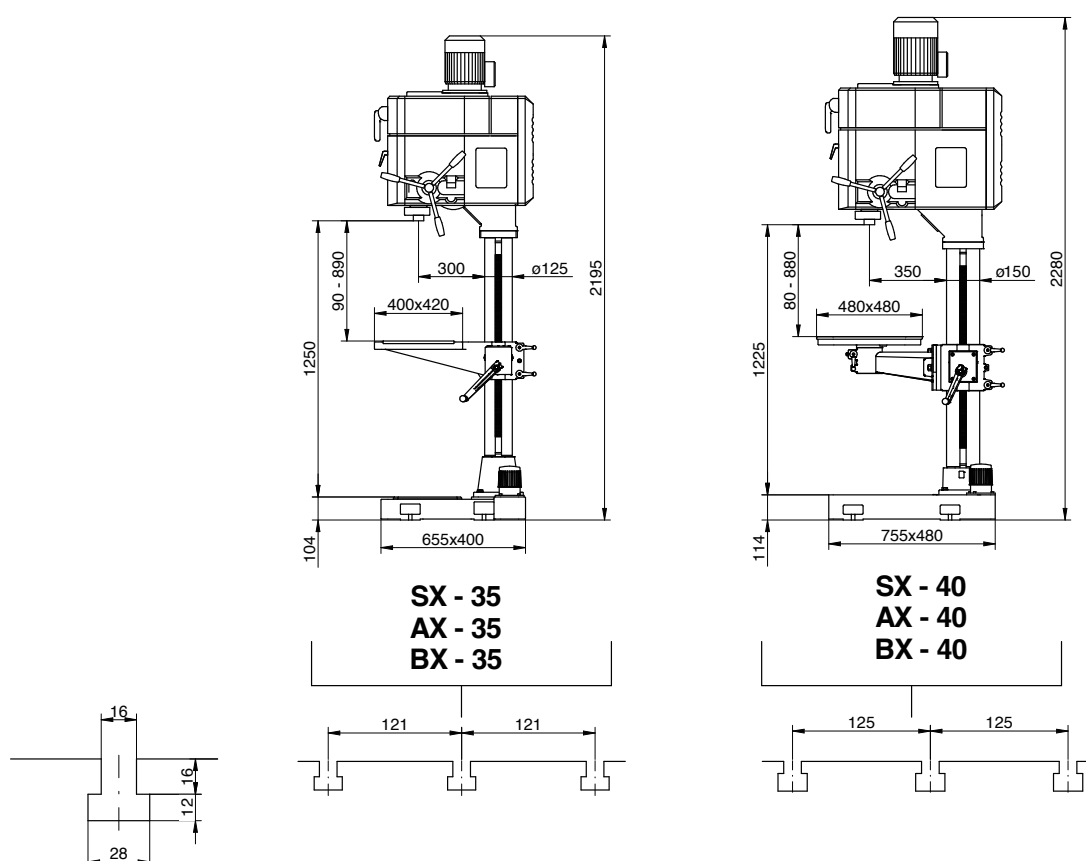
CROSS TABLE



MULTIPLE HEADS



DIMENSIONS



GEAR TRANSMISSION

A SERIES 40-50



- AUTOMATIC FEED WITH MECHANICAL CLUTCH
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 40 mm
ø 50 mm



M 33
M 36



2.2 kW
3 kW



CM4
CM4



200 mm
230 mm



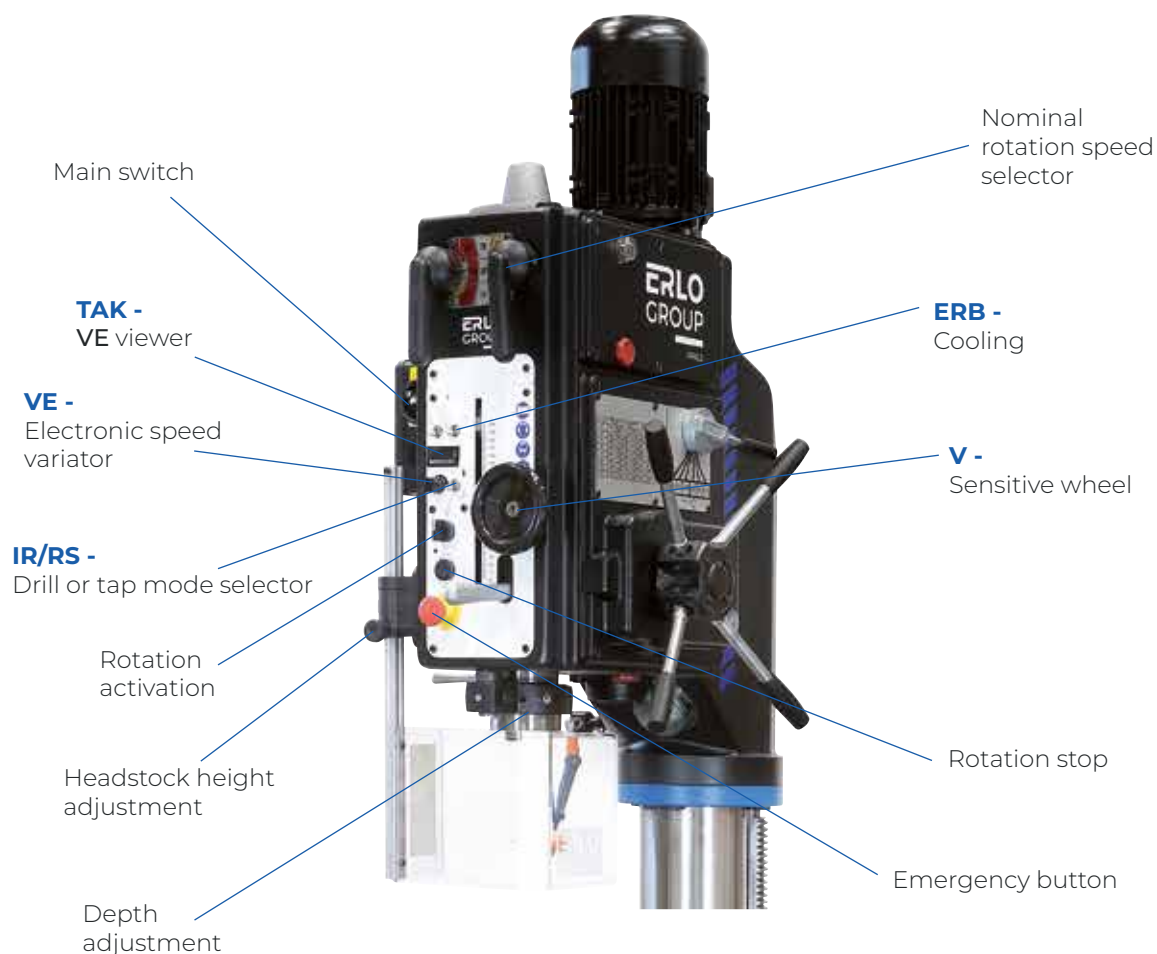
ø 175 mm
ø 200 mm



360 mm
400 mm

[+]

- Hardened and ground steel gears
- Front arrangement of the plate and speed selection controls
- Table/base with "T" slots
- Cooling equipment in base
- Adjustable depth end
- Lighting equipment
- Frontal wheel for fine manual feed
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Tiltable rotating table
- Gears greased by automatic pump
- CE norms



FEATURES		A-40	A-50
Maximum drilling capacity in steel 50/60	Ø mm	40	50
Maximum tapping capacity in steel 50/60		M33	M36
Morse cone	Num.	4	
Maximum spindle stroke (drilling depth)	mm	200	230
Main motor power	KW	2.2	3
Transmission		Gears	
Number of speeds		9	
Speed range with motor at 1500 rpm 50Hz 3Ph	rpm	61-85-123-191-269-390-574-806-1169	54-75-109-169-237-344-507-712-1032
Speed range with variator and motor at 1500 rpm 50Hz 3Ph	rpm	A)30-100 B)65-200 C)45-140 D)95-305 E)156-430 F)200-640 G)290-920 H)410-1290 I)340-1870	A)27-86 B)37-120 C)55-175 D)85-270 E)68-380 F)175-550 G)254-810 H)356-1140 I)516-1650
Feed	rpm	Automatic with mechanical clutch	
Number of automatic feeds		4	
Automatic feed range	mm/rev	0.1-0.2-0.3-0.4	
Worktable dimensions (LxW)	mm	550 x 550	
Column diameter	mm	175	200
Distance from the spindle centre to the face of the column	mm	360	400
Net weight	kg	610	710
Gross weight with packaging	kg	695	795
Packaging dimensions (length x width x height)	mm	2500x600x1200	2600x600x1200

OPTIONAL FITTINGS

CODE

10022	LBC - Digital depth reader
40045	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
10043	IR/RS (VE) - Automatic rotation inversion for manual tapping (for models with variator)
30070	RHP - Automatic tapping system with standard spindle (includes one thread pitch)
40039	AR - Automatic feeds at 50% standard value
40070	SC - Column supplement 200 mm

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



BIMANUAL COMMAND



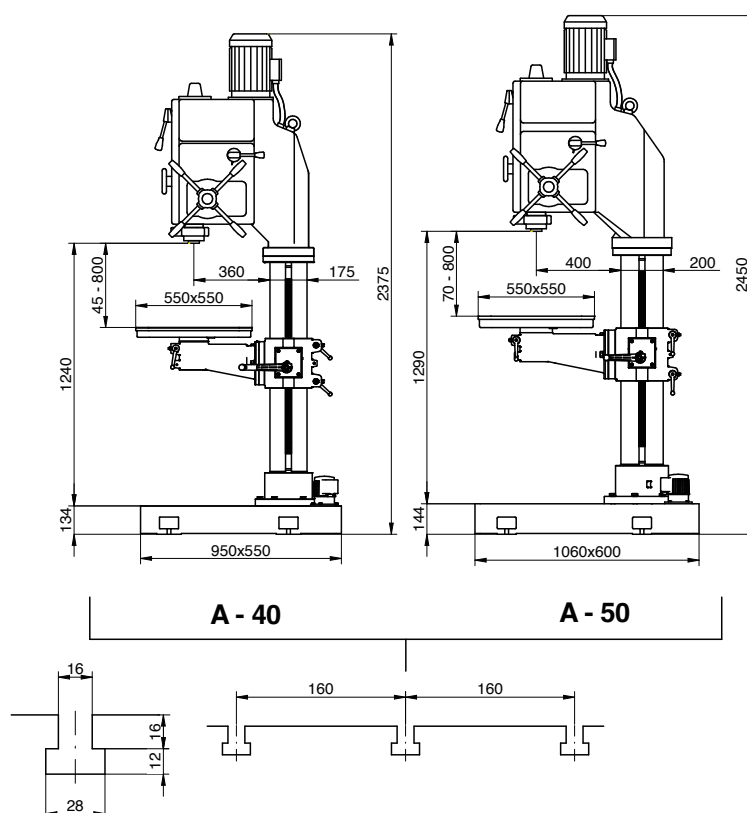
CROSS TABLE



MULTIPLE HEADS



DIMENSIONS



GEAR TRANSMISSION

B SERIES 40-50-60-70



- AUTOMATIC FEED WITH ELECTROMAGNETIC CLUTCH
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 40 mm
ø 50 mm
ø 60 mm
ø 70 mm



M 33
M 36
M 42
M 50



2.2 Kw
3 Kw
4 Kw
5.5 Kw



CM 4
CM 4
CM 5
CM 5



200 mm
230 mm
260 mm
260 mm



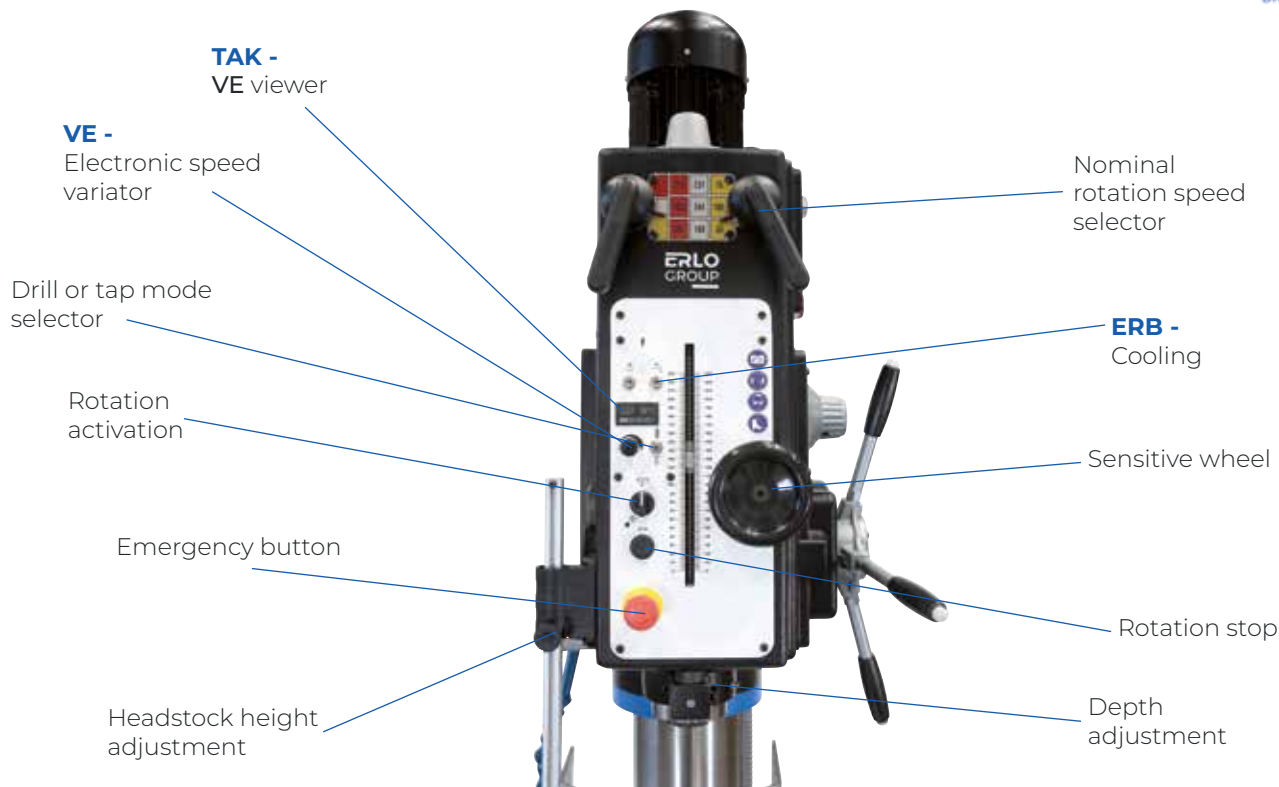
ø 175 mm
ø 200 mm
ø 220 mm
ø 220 mm



360 mm
400 mm
420 mm
420 mm

[+]

- Hardened and ground steel gears
- Front arrangement of the plate and speed selection controls
- Table/base with "T" slots
- Cooling equipment in base
- Adjustable depth end
- Lighting equipment
- Frontal wheel for fine manual feed
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Tiltable rotating table
- Gears greased by automatic pump
- CE norms



FEATURES		B-40	B-50	B-60	B-70
Maximum drilling capacity in steel 50/60	Ø mm	40	50	60	70
Maximum tapping capacity in steel 50/60		M33	M36	M42	M50
Morse cone	Num.	4		5	
Maximum spindle stroke (drilling depth)	mm	200	230	260	260
Main motor power	KW	2.2	3	4	5.5
Transmission		Gears			
Number of speeds		9		12	
Speed range with motor at 1500 rpm 50Hz 3Ph	rpm	61-85-123-191-269-390-574-806-1169	57-75-109-169-237-344-507-712-1032	64-80-106-138-199-248-328-429-561-701-926-1210	51-64-84-110-158-198-262-342-447-559-738-966
Speed range with variator and motor at 1500 rpm 50Hz 3HP	rpm	A)30-100 B)65-200 C)45-140 D)95-305 E)135-430 F)200-640 G)290-920 H)410-1290 I)340-1870	A)27-86 B)37-120 C)55-175 D)85-270 E)68-380 F)172-550 G)254-810 H)356-1140 I)516-1650	A)32-102 B)40-128 C)53-170 D)69-220 E)124-397 F)164-525 G)215-686 H)280-898 I)350-1120 J)463-1480 K)605-1935	A)25-82 B)32-102 C)42-134 D)55-176 E)79-253 F)100-317 G)131-419 H)171-547 I)224-715 J)280-895 K)369-1180 L)483-1545
Feed	rpm	Automatic with electromagnetic clutch			
Number of automatic feeds		4	6		
Automatic feed range	mm/rev	0.1-0.2-0.3-0.4	0.1-0.2-0.3-0.4-0.5-0.6		
Worktable dimensions (LxW)	mm	550 x 550		600x600	
Column diameter	mm	175	200	220	
Distance from the spindle centre to the face of the column	mm	360	400	420	
Net weight	kg	610	710	820	840
Gross weight with packaging	kg	695	795	920	940
Packaging dimensions (length x width x height)	mm	2500X600X1200	2600X600X1200	2700X700X1200	

OPTIONAL FITTINGS

CODE

10022	LBC - Digital depth reader
40045	VE + TAK - Electronic speed variator and digital speed reader
10042	IR/RS - Automatic rotation inversion for manual tapping
10043	IR/RS (VE) - Automatic rotation inversion for manual tapping (for models with variator)
30070	RHP - Automatic tapping system with standard spindle (includes one thread pitch)
40100	ACNL - Rapid approach and retraction with pneumatic counterweight
40110	CI - Comprehensive cycle with encoder
40039	AR - Automatic feeds at 50% standard value
40070	SC - Column supplement 200 mm

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



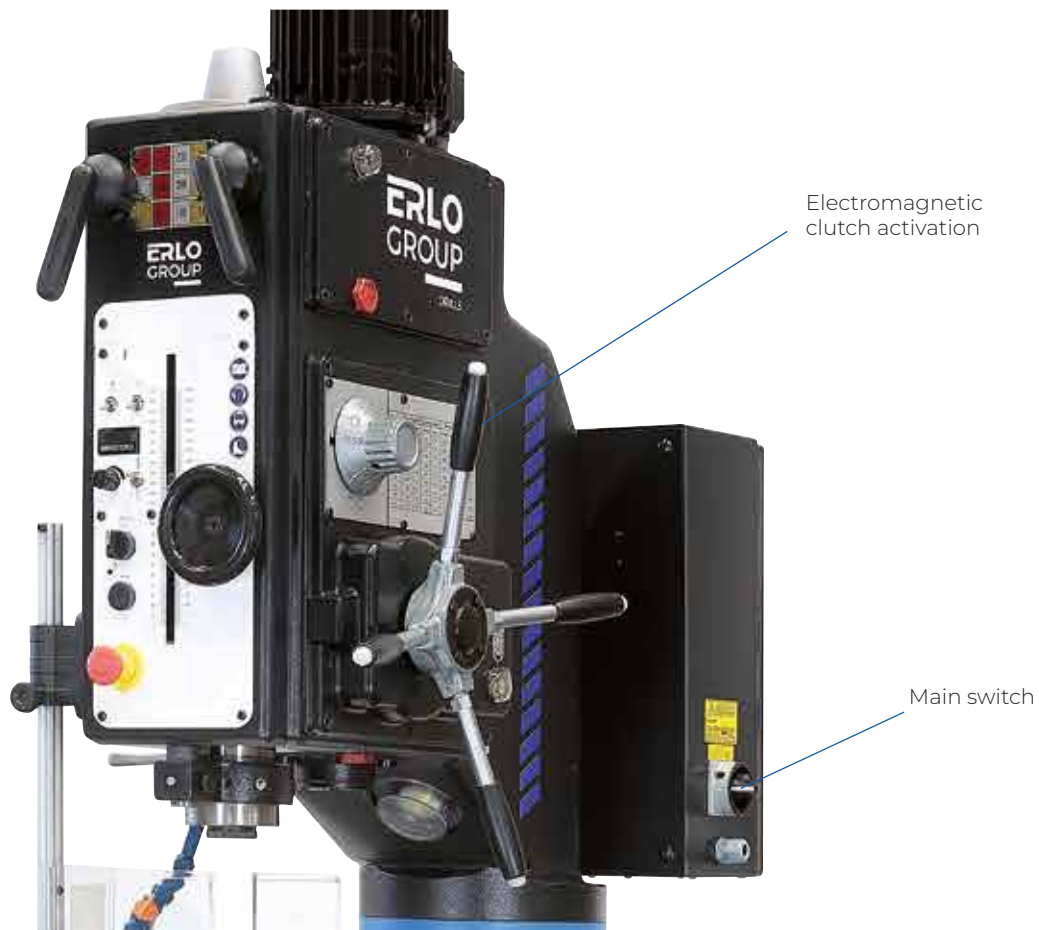
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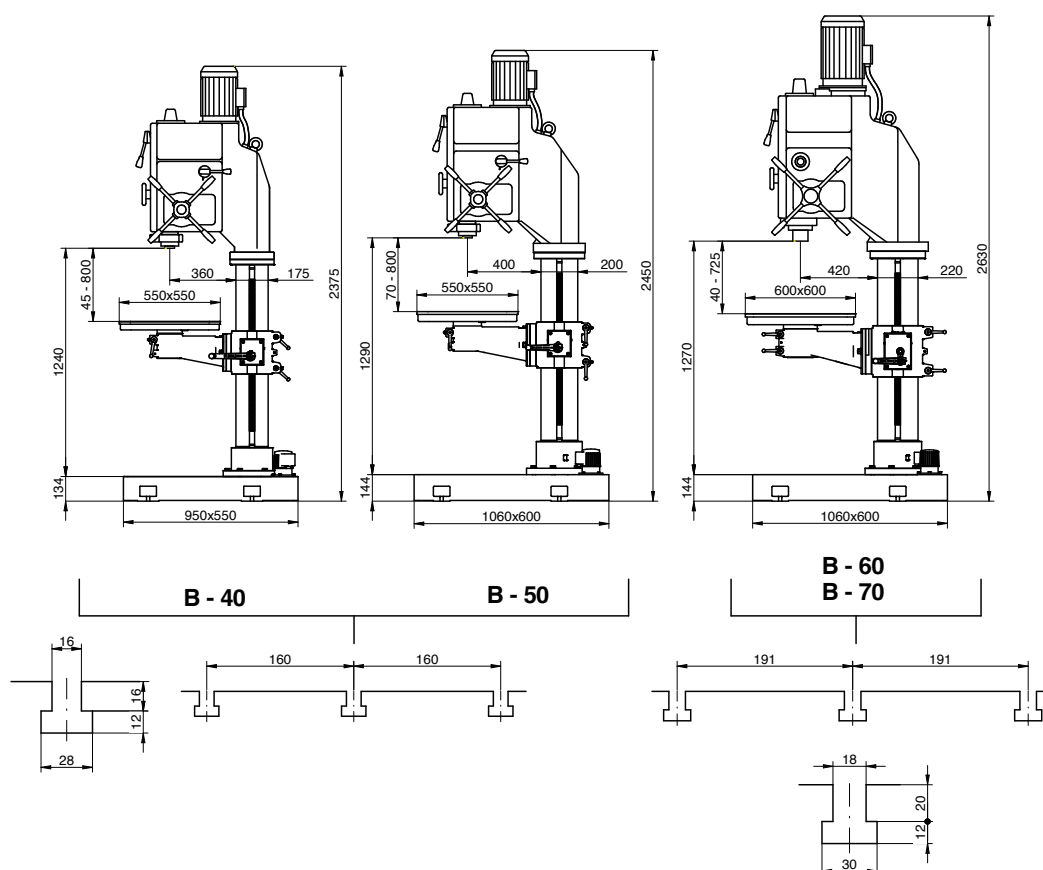
CROSS TABLE



MULTIPLE HEADS



DIMENSIONS



BC SERIES 50



- AUTOMATIC FEED WITH ELECTROMAGNETIC CLUTCH
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN

[+]

- Combination between pulleys and Hardened and ground steel gears
- Broad constant speed field in 3 lines
- Front arrangement of the plate and speed selection controls
- Electronic speed variator
- Digital speed viewer
- Automatic rotation inversion for tapping processes
- Table/base with "T" slots
- Cooling equipment in base
- Adjustable depth end
- Lighting equipment
- Frontal wheel for fine manual feed
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Tiltable rotating table
- Gears greased by automatic pump
- CE norms



φ 50 mm

M 42

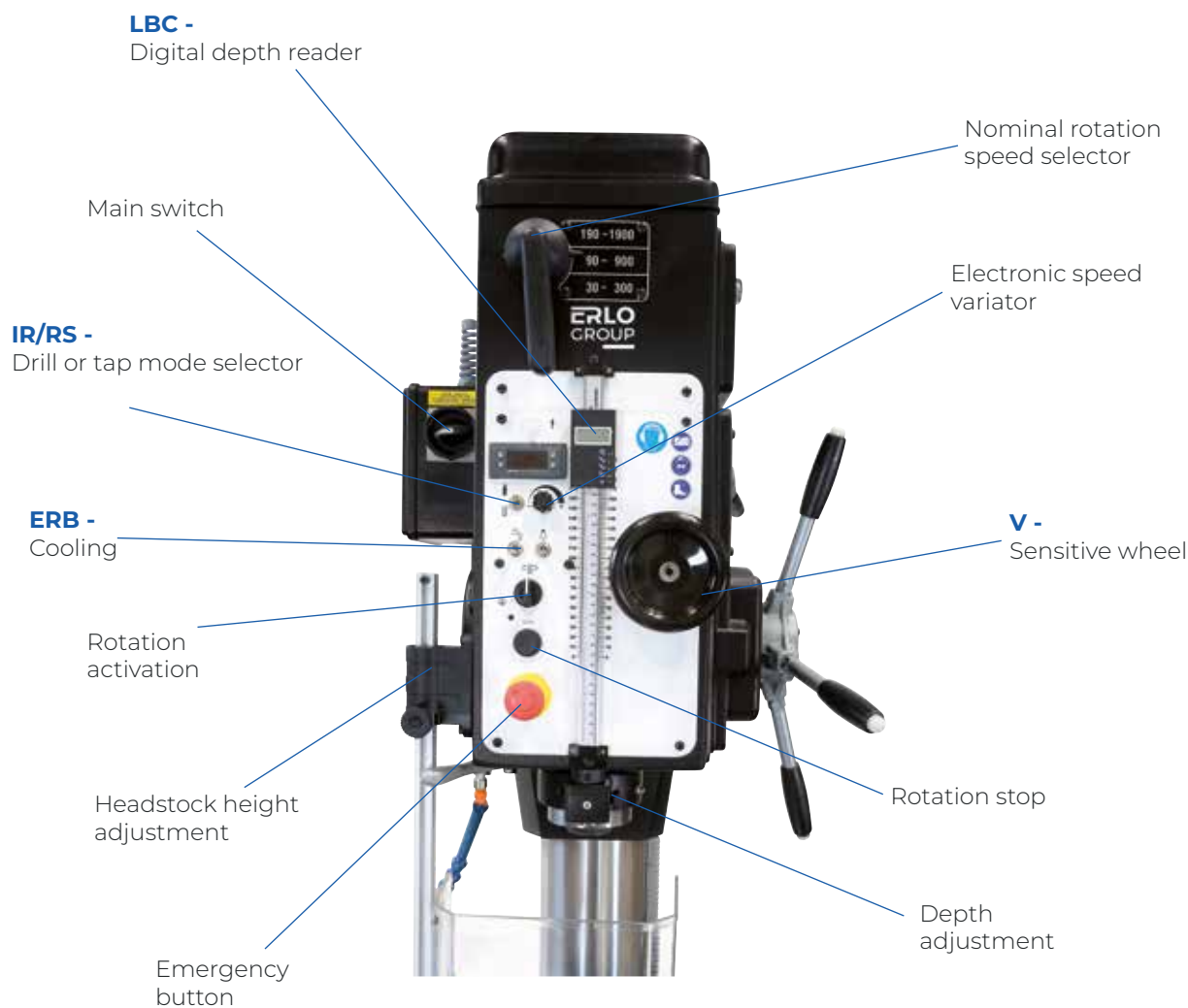
4 kW

CM4

200 mm

φ 175 mm

360 mm



FEATURES		BC.50VE
Maximum drilling capacity in steel 50/60	Ø mm	50
Maximum tapping capacity in steel 50/60		M42
Morse cone	Num.	4
Maximum spindle stroke (drilling depth)	mm	200
Main motor power	KW	4
Transmission		V-belts/Gears
Number of speeds		Continuous
Speed variator type	rpm	Electronic
Speed range with motor at 1500 rpm 50Hz 3Ph <i>Upon request: Motor at 1800 rpm 60 Hz 3Ph</i>	rpm	30 to 300/ 90 to 900/ 190 to 1900
Feed	rpm	Automatic with electromagnetic clutch
Number of automatic feeds		4
Automatic feed range	mm/rev	0.1-0.2-0.3-0.4
Worktable dimensions (LxW)	mm	550x500
Column diameter	mm	175
Distance from the spindle centre to the face of the column	mm	360
Net weight	kg	760
Gross weight with packaging	kg	850
Packaging dimensions (length x width x height)	mm	2200x700x1300

OPTIONAL FITTINGS

CODE

50012	LBC - Digital depth reader
40039	AR - Reduced feeds (50% standard line)

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



PEDAL



BIMANUAL COMMAND



CROSS TABLE

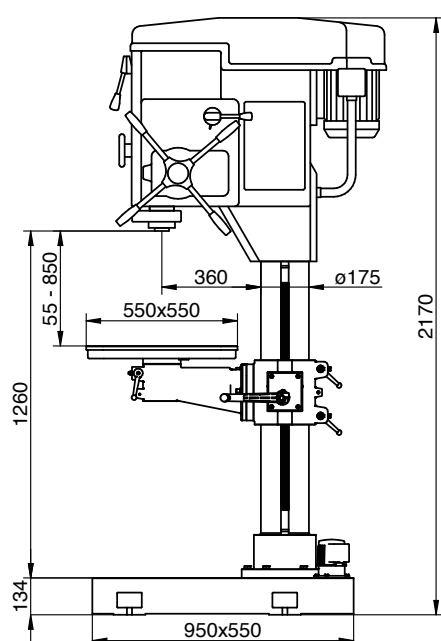


MULTIPLE HEADS

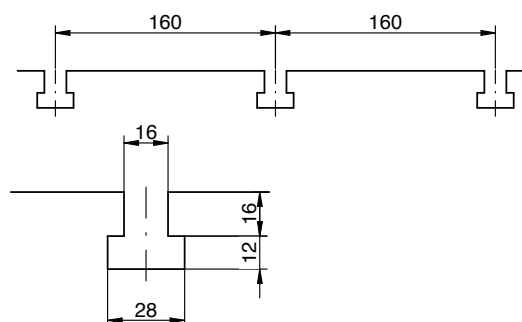
- Electromagnetic clutch activation



DIMENSIONS



BC - 50VE



V-BELT TRANSMISSION

V SERIES 10-13-15



VT.10-13-15

- V-BELT TRANSMISSION
- MANUAL FEED
- DIGITAL SCREEN



ø 10 mm
ø 13 mm
ø 15 mm



M 6
M 8
M 12



1.5 HP
2.2 HP



B16
CM2



60 mm



70 mm



220 mm

[+]

- Adjustable depth stop
- Tool ejector
- Electronic speed variator (V.10)
- Speed, depth, and cycle control with digital screen (VT.10-13-15).
- Emergency push button
- Rotation direction selection
- Electrical equipment at low voltage
- Drill guard with stop micro
- Fixed table
- CE norms



FEATURES		V.10	VT.10	VT.13	VT.15
Drilling capacity	Ø mm	12mm	12mm	15 mm	18 mm
Continuous drilling capacity	mm	10mm	10mm	13 mm	15 mm
Tapping capacity	Num.	N/A	M6	M10	M12
Spindle sleeve	mm	B16	B16	B16	CM 2
Variable speed range	HP (KW)	250-3000 rpm	60-6000 rpm	40-4000 rpm	40-4000 rpm
Motor voltage / Power - Single phase		230V/0.54 kW	230V/0.54 kW	230V/0.54 kW	230V/0.75 kW
Variator type:		Electronic	Electronic	Electronic	Electronic
Drilling depth	rpm	60	60	60	70
Spindle nose to column distance	rpm	220	220	220	220
Spindle to table distance	mm	Min. 105/Max. 245	Min. 105/Max. 245	Min. 85/Max. 370	Min. 85/Max. 370
Spindle to base distance	mm	315	315	420	750
Column diameter	mm	70	70	70	70
Number of "T" slots		2	2	2	2
Feed		Manual	Manual	Manual	Manual
Head height adjustment		Manual	Manual	With zipper	With zipper
Table dimensions (width x height)	mm	300x250	300x250	300x250	300x250
Dimensions	mm	320x450x830	320x450x830	400x520x850	400x520x850
Weight without packaging	kg	44 Kg	44 Kg	62 Kg	65 Kg

OPTIONAL FITTINGS

CODE

212716	Fixed drilling depth stop
281140	Vice 80mm 0-120 opening
285133	Fast-switch chuck B.16, 1-13 with self-adjustment (for V.10-VT.10 models)
285064	Fast-action precision chuck B.16, 1-13 with self-adjustment (for models V.10-VT.10)
250208	Base with door and drawer
290521	Intermediate table (for V-VT.10 models), standard for VT.13-15 models



**BASE WITH DRAWER
AND DOOR**



INTERMEDIATE TABLE
(for models V.10-VT.10)

ACCESSORIES



CHUCK



TOOL HOLDER



VICES



VT.10-13-15

VT CONTROL PANEL

Control panel with screen

- Clear control panel with central rotary button
- OLED screen
- Dust protection with sealed gasket on the housing cutout

Menu functions

- Clear and easy-to-understand input menu
- Selectable operating mode: Drilling/Tapping
- Speed adjustment with central rotary button
- Precise view of drill depth (target and real) and speed
- Cycle counter
- Smart memory function for parameters
- Energy saving mode
- Spindle stop



G SERIES

G.32-GP.32



- MANUAL OR AUTOMATIC FEED
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 32 mm



M 24



1.8 kW
2.6 kW



CM3



120 mm



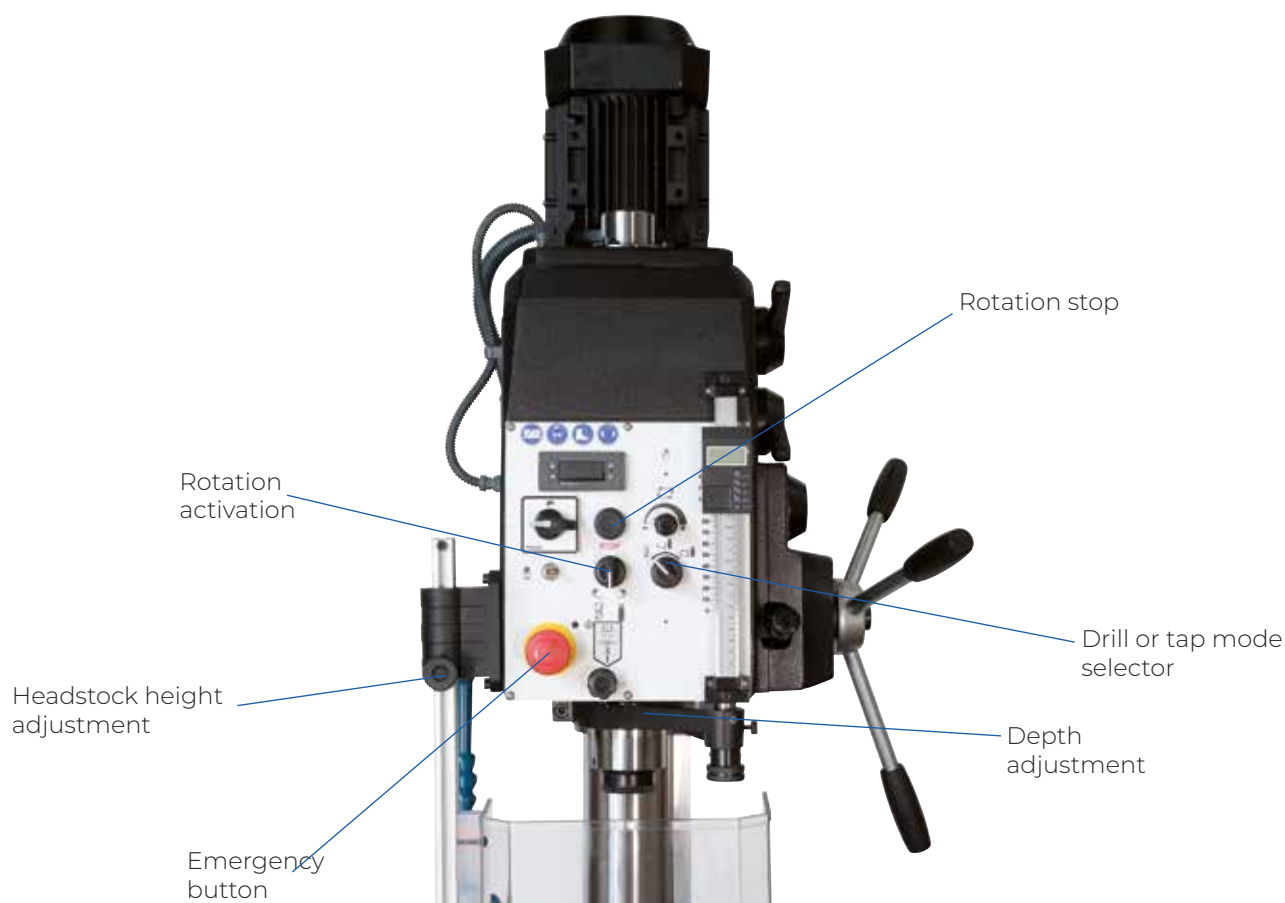
ø 100 mm



250 mm

[+]

- Hardened and ground steel gears
- Table with "T" slots
- Adjustable depth end
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- - Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Fixed table
- Gears greased by automatic pump
- CE norms



FEATURES		G.32	GP.32
Maximum drilling capacity in steel 50/60	Ø mm	32	
Maximum tapping capacity in steel 50/60		M24	
Morse cone	Num.	3	
Maximum spindle stroke (drilling depth)	mm	120	
Main motor power	KW	1.8/2.6	
Transmission		Gears	
Number of speeds		8	
Speed range with motor at 1500 rpm 50Hz 3Ph	rpm	65-125-185-365-540-1055-1560-3060	
Feed	rpm	Manual	Automatic
Number of automatic feeds		3	
Automatic feed range	mm/rev	0.10-0.20-0.30	
Worktable dimensions (LxW)	mm	270 x 300	
Column diameter	mm	100	
Distance from the spindle centre to the face of the column	mm	250	
Net weight	kg	360kg	
Gross weight with packaging	kg	2.2 x 0.6 x 0.9 (1.19m²)	
Packaging dimensions (length x width x height)	mm	2310x600x1100	

OPTIONAL FITTINGS

CODE

20010	L - Lighting equipment
10042	IR/RS - Automatic rotation inversion for manual tapping
20082	MG - Rotating table
91118	ERB - Cooling equipment in base

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



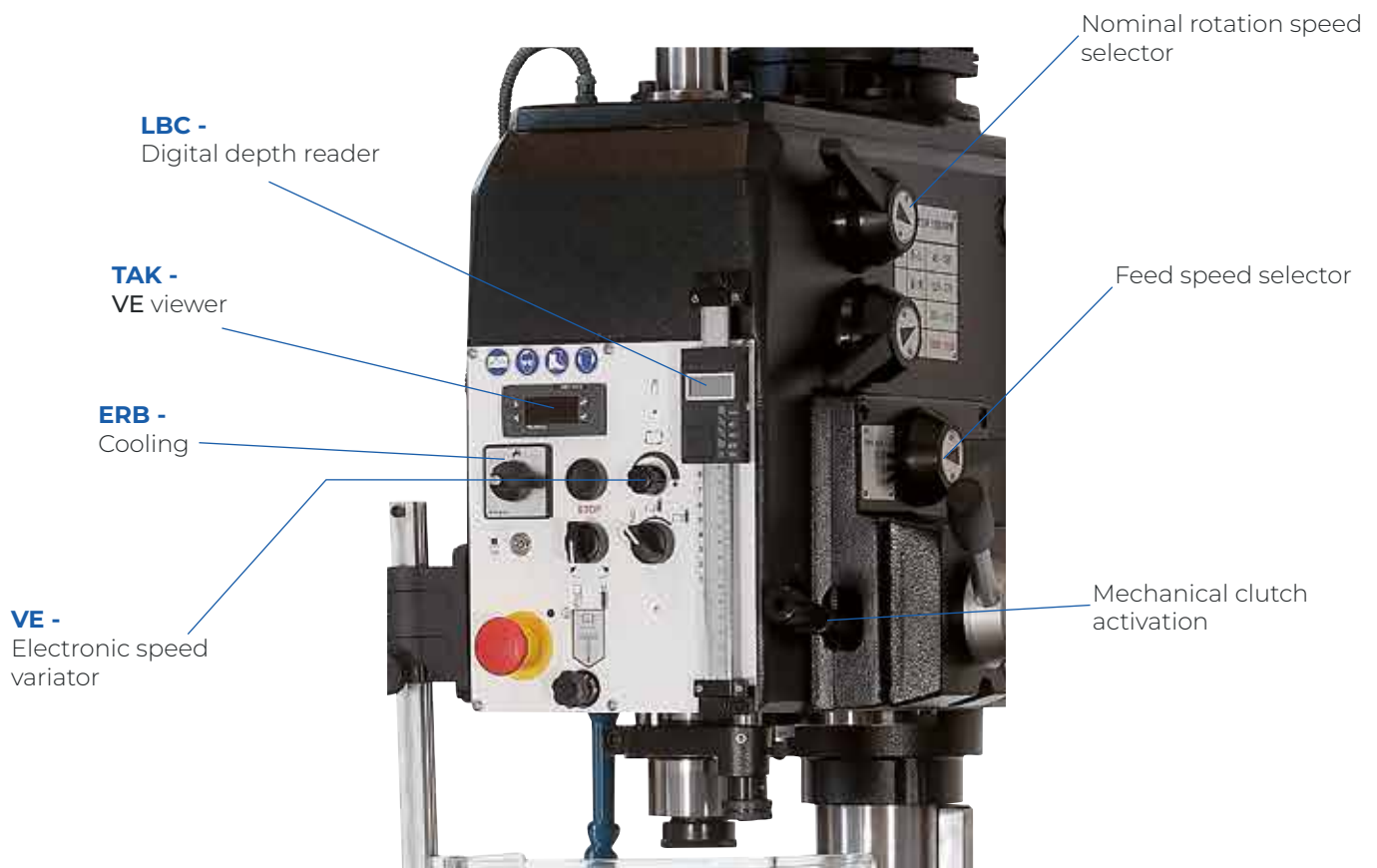
VICES



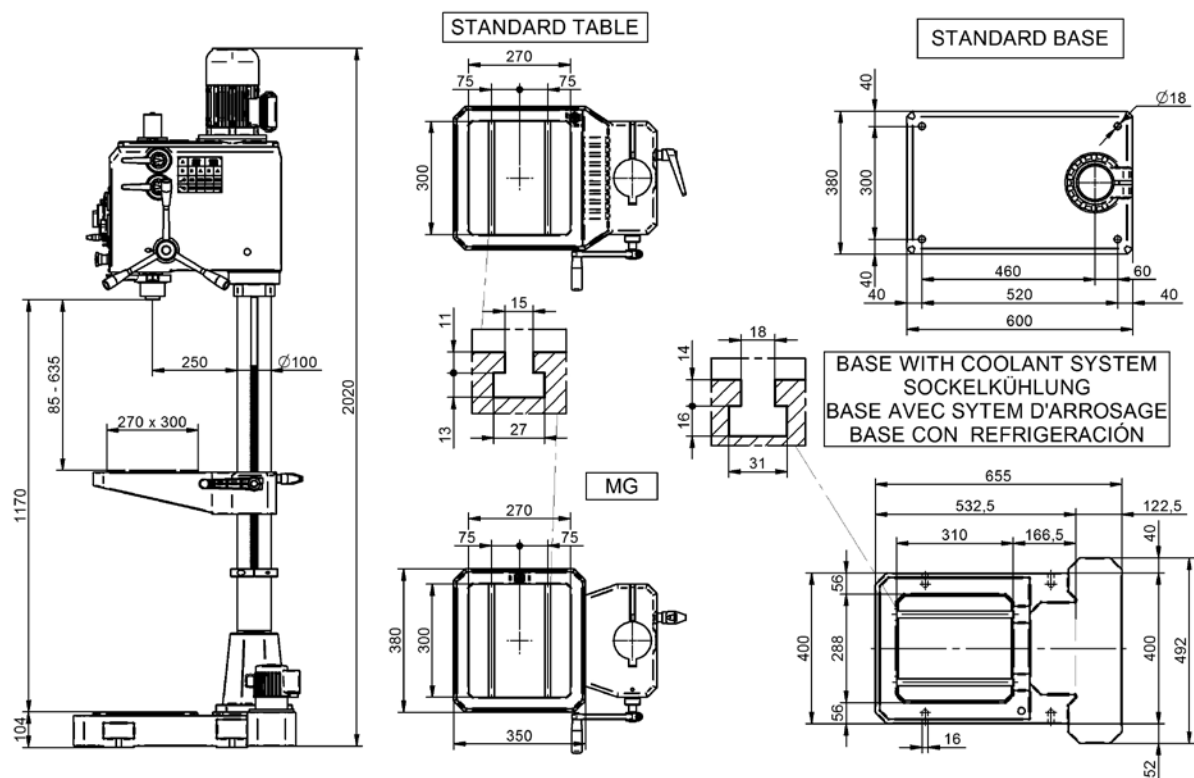
PEDAL



CROSS TABLE



DIMENSIONS



GEAR TRANSMISSION

G SERIES GP.40-50



- AUTOMATIC FEED WITH MECHANICAL CLUTCH
- SLIDING TABLE AND FIXED HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



ø 40 mm
ø 50 mm



M 30
M 35



2.2 kW
3 kW



CM4
CM4



150 mm
180 mm



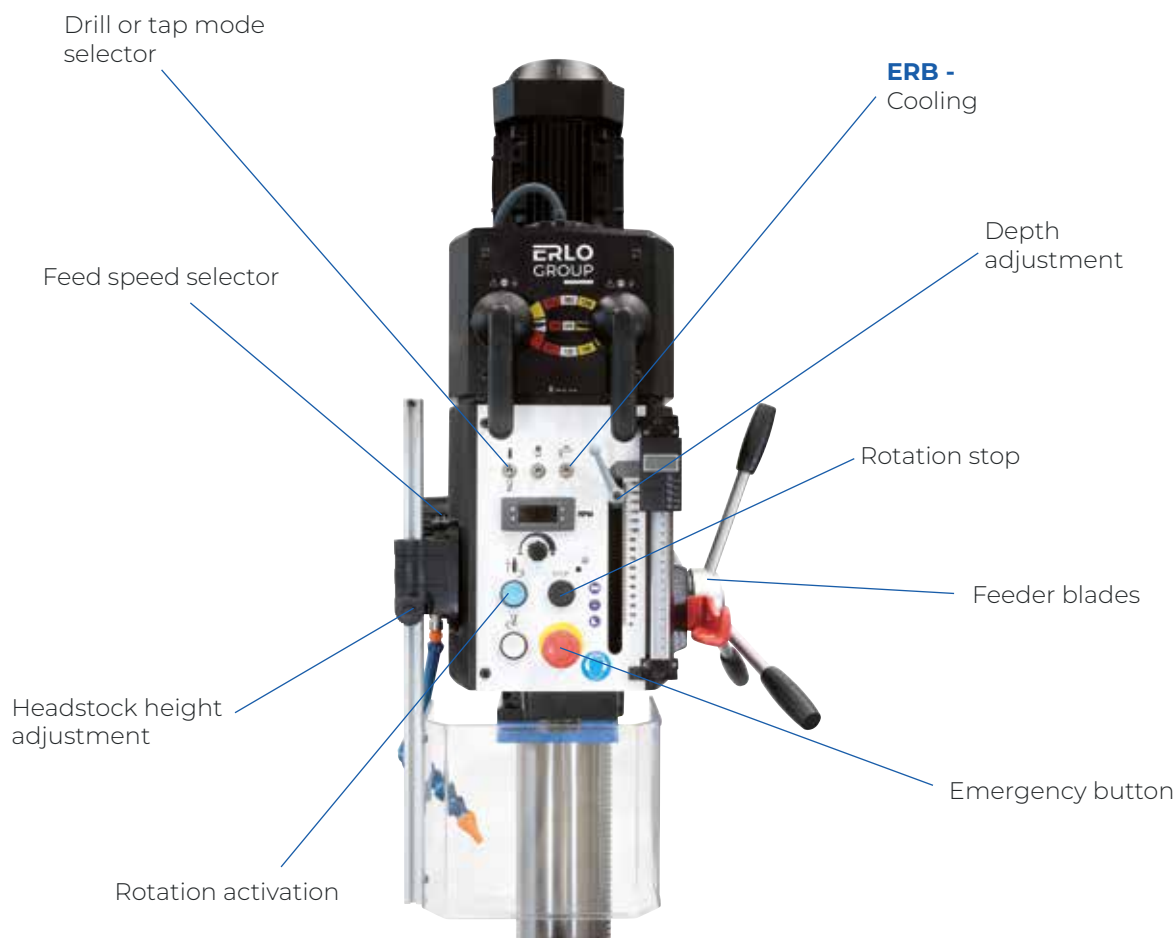
ø 125 mm
ø 150 mm



300 mm
350 mm

[+]

- Hardened and ground steel gears
- Front arrangement of the plate and speed selection controls
- Table with "T" slots
- Adjustable depth end
- Tool ejector
- Motor guard
- Emergency push button
- Rotation direction selection
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Fixed table (40 models)
- Tilting rotary table (50 models)
- Gears greased by automatic pump
- CE norms



FEATURES		GP.40	GP.50
Maximum drilling capacity in steel 50/60	Ø mm	40	50
Maximum tapping capacity in steel 50/60		M30	M35
Morse cone	Num.	4	
Maximum spindle stroke (drilling depth)	mm	150	180
Main motor power	KW	2.2	3
Transmission		Gears	
Number of speeds		9	
Speed range with motor at 1500 rpm 50Hz 3Ph	rpm	132-194-277-319-466-666-883-1296-1852	
Feed	rpm	Automatic	
Number of automatic feeds		3	
Automatic feed range	mm/rev	0.10 - 0.20 - 0.30	
Worktable dimensions (LxW)	mm	400 x 420	480 x 480
Column diameter	mm	125	150
Distance from the spindle centre to the face of the column	mm	300	350
Net weight	kg	400	490
Gross weight with packaging	kg	450	540
Packaging dimensions (length x width x height)	mm	2310x600x1100	2310x600x1100

OPTIONAL FITTINGS

CODE

20010	L - Lighting equipment
10042	IR/RS - Automatic rotation inversion for manual tapping
30084	MGI - Tilting rotary table (standard for GP.50 model)
91118	ERB - Cooling equipment in base

ACCESSORIES



CHUCK



TOOL HOLDER



REDUCTION SLEEVES



VICES



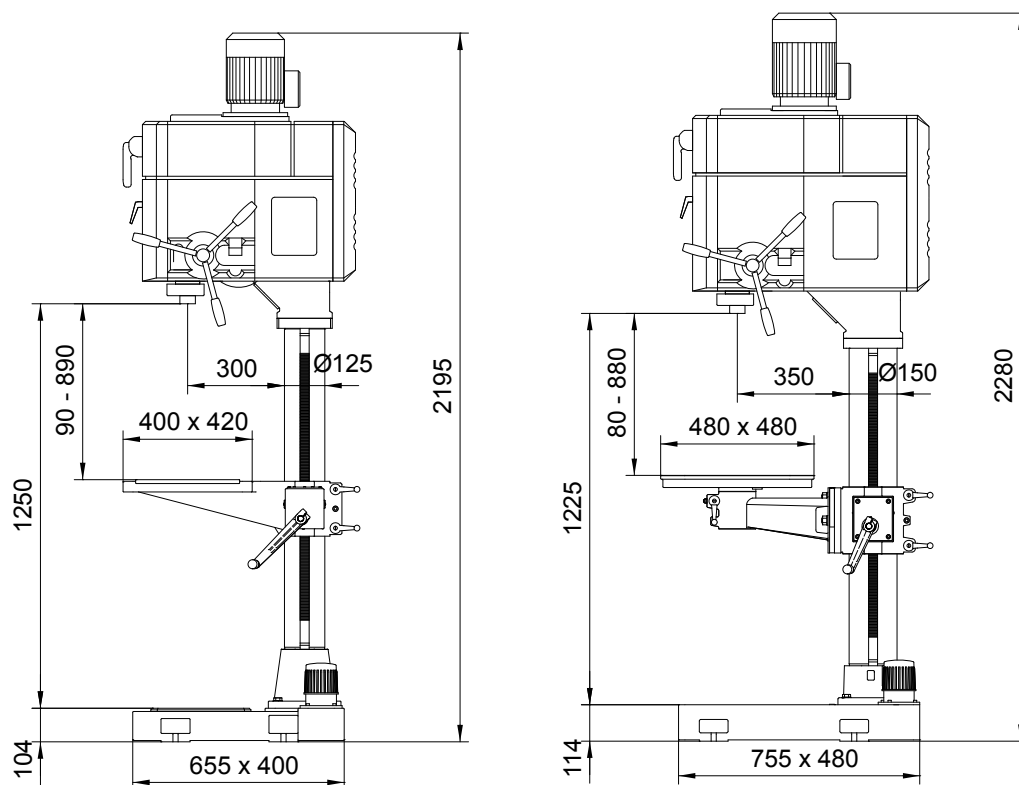
PEDAL



CROSS TABLE



DIMENSIONS



SH SERIES 18

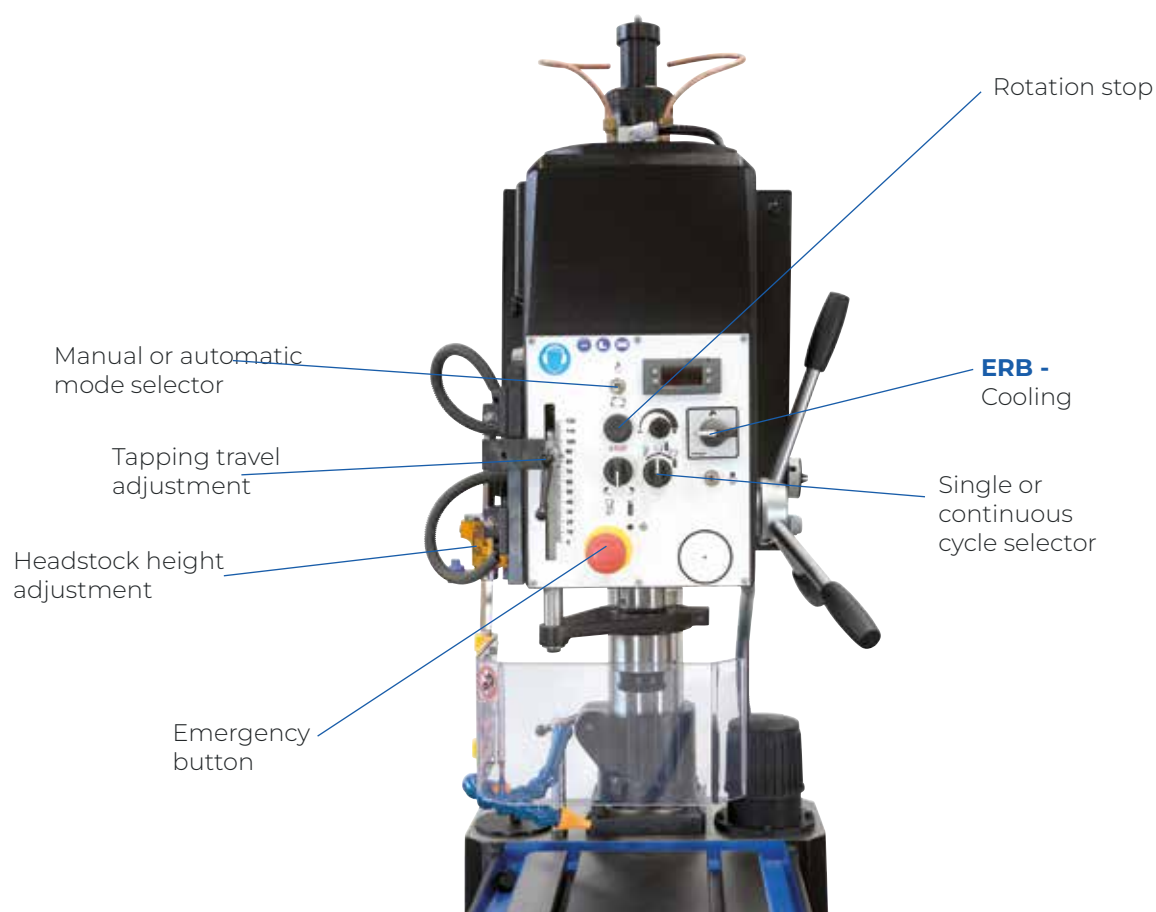


- V-BELT TRANSMISSION
- AUTOMATIC TAPPING FEED
- FIXED TABLE, SLIDING AND ROTATING HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



[+]

- Standard spindle, automatic tapping
- 1 Standard spindle included, pitch to be determined
- Table with "T" slots
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Belt cover with stop micro
- Motor guard
- Emergency push button
- Main switch
- Manual/automatic cycle selector
- Single/continuous cycle selector
- Adjustable stops and microswitches: depth, reversal, and stop
- Variator brake device
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- CE norms



FEATURES		SH.18
Maximum drilling capacity in steel 50/60	Ø mm	18
Maximum tapping capacity in steel 50/60		M14
Morse cone	Num.	3
Maximum spindle stroke (drilling depth)	mm	90
Main motor power	KW	1.12
Transmission		V-belts
Number and range of speeds (without variator)	rpm	10 (245-355-490-710-835-1240-1670-2000-2480-4000)
Feed		Manual
Worktable dimensions (LxW)	mm	270 x 270
Column diameter	mm	100
Distance from the spindle centre to the face of the column	mm	250
Net weight <i>Without and with intermediate table</i>	kg	190/240
Gross weight with packaging <i>Without and with intermediate table</i>	kg	200/260
Packaging dimensions (length x width x height)	mm	890x640x1350

OPTIONAL FITTINGS

CODE

10020	V - Frontal wheel for fine sensitive feed
10022	LBC - Digital depth reader
10075	HGP-S - Additional standard spindle, special pitch
10080	HGP - Additional standard spindle, standard pitch
10082	PKB - Base cabinet with door and drawers
10083	PKA - Base cabinet with 2 shelves (only for bench drilling machines without cooling)
10084	PKC - Base cabinet (only for models with intermediate table)
10087	MIF - Fixed intermediate table
10088	MIG - Rotating intermediate table
10085	CC - Cycle counter
10110	SC - Column supplement 200 mm
91118	ERB - Cooling equipment in base

* For machines with intermediate table, the base has no drawer. (ref. PKC)

THREAD METRIC	PITCH*	PITCH WITHWORTH
M.2 / M.2.5	0.45	12H"
M.3	0.5	14H"
M.4	0.7	16H"
M.5	0.8	18H"
M.6 / M.7	1	20H"
M.8 / M.9	1.25	24H"
M.10 / M.11	1.5	
M.14 / M.16	2	
M.18 / M.20 / 22	2.5	

* Right-hand thread pitches
NOTE: Special pitches: All left-hand thread pitches and right-hand thread pitches not included in this table.

ACCESSORIES



TOOL HOLDER



VICES



PEDAL

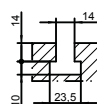
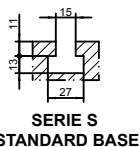
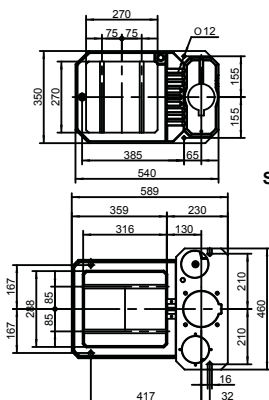
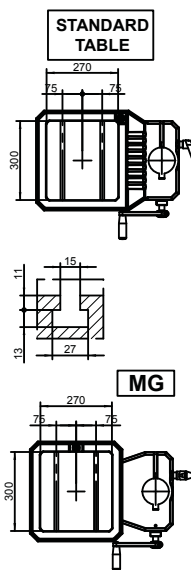
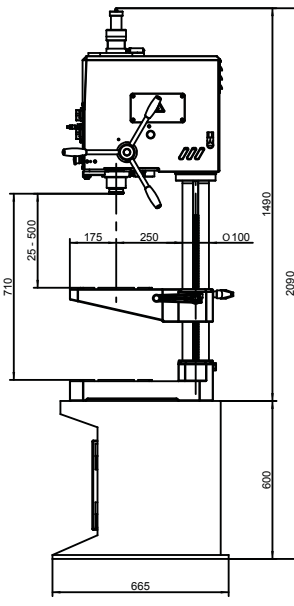
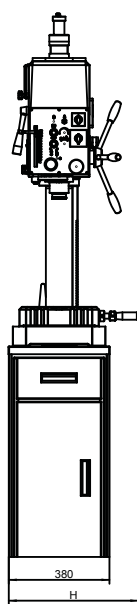
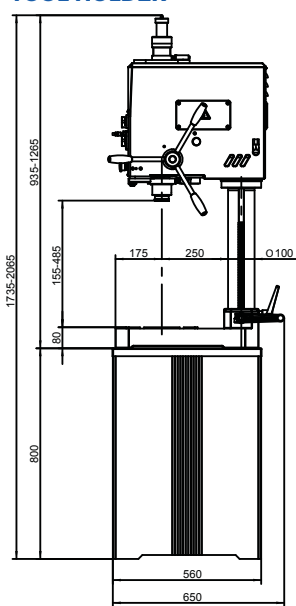


BIMANUAL COMMAND



DIMENSIONS

TOOL HOLDER

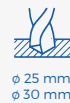


SHE SERIES

25-30

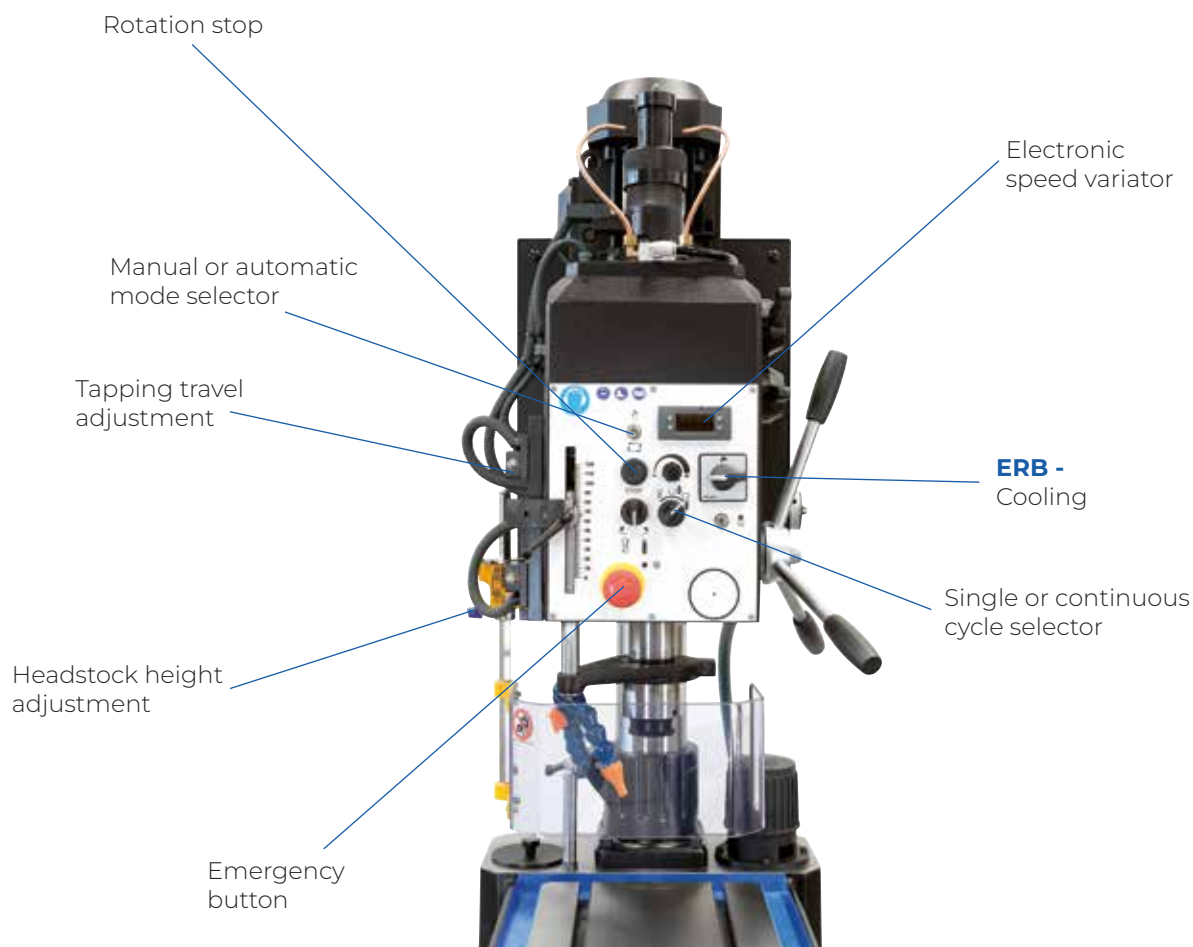


- AUTOMATIC TAPPING FEED
- FIXED TABLE, SLIDING AND ROTATING HEADSTOCK
- CAST IRON HEAD, BASE, AND COLUMN



[+]

- Hardened and ground steel gears
- Table/base with "T" slots
- Adjustable depth end
- Lighting equipment
- Tool ejector
- Motor guard
- Emergency push button
- Manual/automatic cycle selector
- Single/continuous cycle selector
- Adjustable stops and microswitches: depth, reversal, and stop
- Variator brake device
- Main switch
- Electrical equipment at low voltage
- Electrical equipment in a separate cabinet
- Drill guard with stop micro
- Gears greased by automatic pump
- CE norms



FEATURES		SHE.25	SHE.30
Maximum drilling capacity in steel 50/60	Ø mm	25	30
Maximum tapping capacity in steel 50/60		M22	M25
Morse cone	Num.	3	
Maximum spindle stroke (drilling depth)	mm	90	
Main motor power	KW	1.5	2.2
Transmission		Gears	
Number and range of speeds (without variator)	rpm	(8) 65-125-185-365-540-1055-1560-3060	
Feed		Manual	
Worktable dimensions (LxW)	mm	270 x 270	
Column diameter	mm	100	
Distance from the spindle centre to the face of the column	mm	250	
Net weight <i>Without and with intermediate table</i>	kg	200	
Gross weight with packaging <i>Without and with intermediate table</i>	kg	260	
Packaging dimensions (length x width x height)	mm	890x640x1350	

OPTIONAL FITTINGS

CODE

10020	V - Frontal wheel for fine sensitive feed
10022	LBC - Digital depth reader
10075	HGP-S - Additional standard spindle, special pitch
10080	HGP - Additional standard spindle, standard pitch
10082	PKB - Base cabinet with door and drawers
10083	PKA - Base cabinet with 2 shelves (only for bench drilling machines without cooling)
10084	PKC - Base cabinet (only for models with intermediate table)
10087	MIF - Fixed intermediate table
10088	MIG - Rotating intermediate table
10085	CC - Cycle counter
10110	SC - Column supplement 200 mm
91118	ERB - Cooling equipment in base

** For machines with intermediate table, the base has no drawer. (ref. PKC)*

ACCESSORIES



TOOL HOLDER



VICES



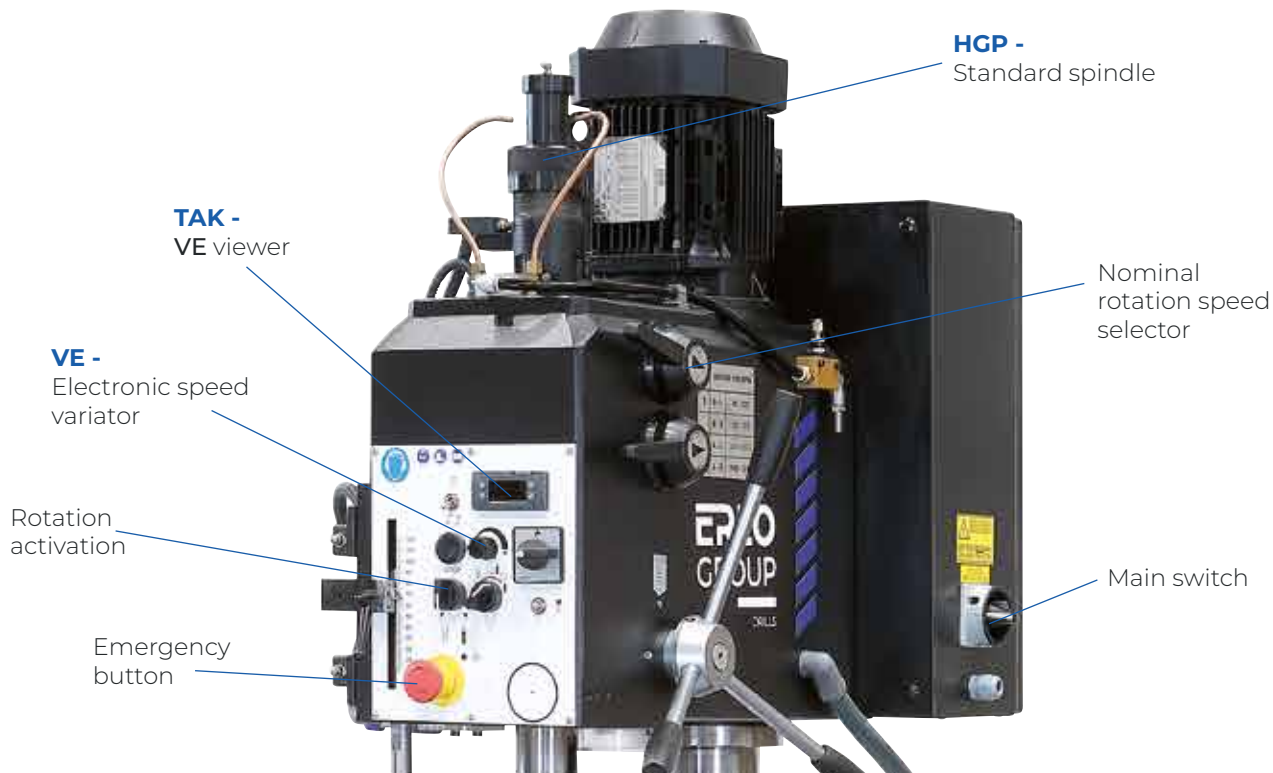
PEDAL



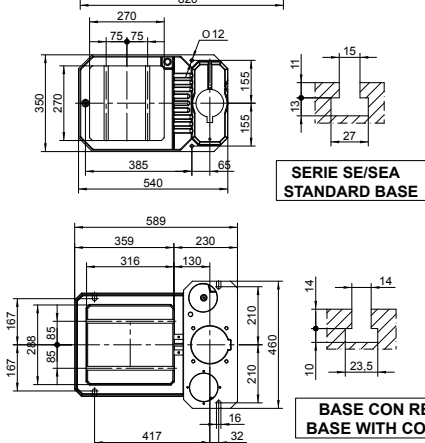
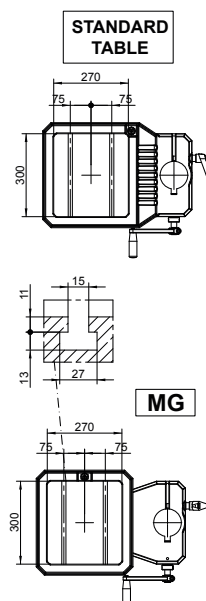
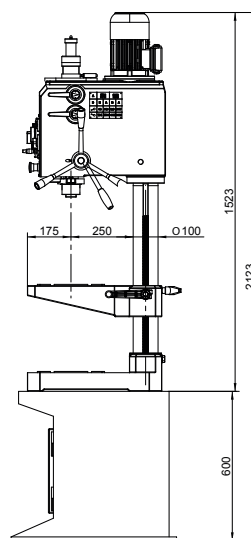
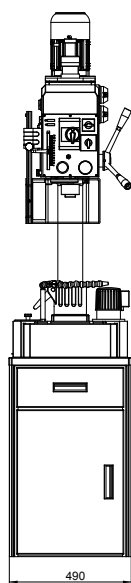
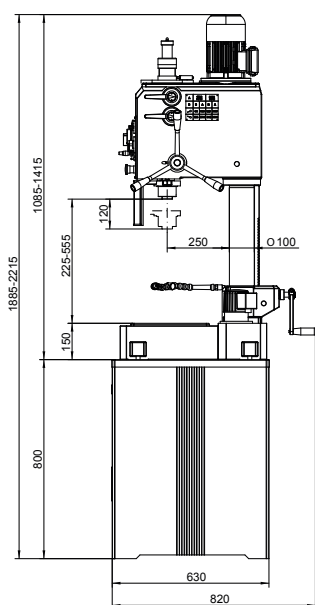
MULTIPLE HEADS



BIMANUAL COMMAND



DIMENSIONS



TF SERIES 35



- AUTOMATIC FEED -
ELECTROMAGNETIC CLUTCH
- CROSS TABLE
- FIXED BASE AND SLIDING HEAD



ø 35 mm



45 cm²



M35



0.9/1.5 kW



CM 4



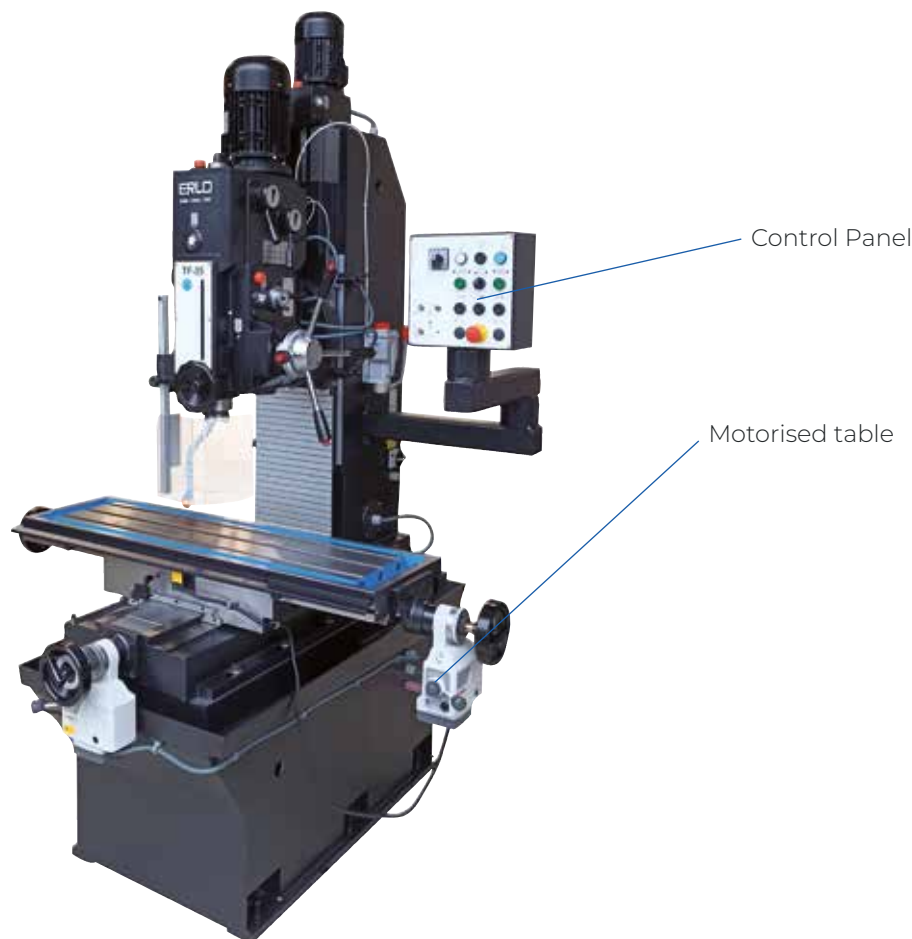
180 mm



390 mm

[+]

- Motorised head movement
- Prismatic column
- Manual grease pump, for guides, column and table
- Adjustable depth stop
- Frontal wheel for sensitive feed
- Cooling equipment
- Tool vice tie rod
- Lighting equipment
- Main switch
- Emergency push button
- Rotation direction selection
- Electrical equipment at low voltage
- Control panel installed on arm
- Drill guard with stop micro
- CE Mark



FEATURES		TF.35
Maximum drilling capacity in steel 50/60	Ø mm	35
Maximum tapping capacity in steel 50/60		M35
Maximum steel milling capacity 50/60	cm ³ /min	55
Morse cone	Num.	4
Maximum spindle stroke (drilling depth)	mm	180
Main motor power	KW	0.9/1.5
Transmission		Gears
Number of speeds		16
Speed range with motor at 1500 rpm 50Hz 3Ph <i>Upon request: Motor at 1800 rpm 60 Hz 3Ph</i>	rpm	94-135-189-207-271-303-347-416-497-606-695-760-995-1112-1520-2225
Speed range with variator and motor at 1500 rpm 50Hz 3Ph	rpm	A)152-605 B)223-890 C)559-2236 D)818-3272
Feed	rpm	Automatic with electromagnetic clutch
Number of automatic feeds		3
Automatic feed range		0.8-0.18-0.24
Worktable dimensions (LxW)	mm	360x1220
Longitudinal table movement (X)	mm	700
Transversal table movement (Y)	mm	360
Distance from the spindle centre to the column	mm	390
Net weight	kg	910
Gross weight with packaging	kg	1400
Packaging dimensions (length x width x height)	mm	2690x1780x1780

OPTIONAL FITTINGS

CODE

50012	LBC - Digital depth reader
50020	IR/RS - Automatic rotation inversion for manual tapping
50035	RHP - Automatic tapping system with standard spindle (includes standard spindle)
50038	HGP-S - Additional standard spindle, special pitch
50040	HGP - Additional standard spindle, standard pitch
50070	ENG X - Automatic longitudinal movement by motorised feed box
50080	ENG Y - Automatic transversal movement by motorised feed box
50089	LDG-1 - Digital display for 1 axis (on control panel in articulated arm)
50090	LDG-2 - Digital display for 2 axes (on control panel in articulated arm)
50100	LDG-3 - Digital display for 3 axes (on control panel in articulated arm)
50120	PPZ - Collet holder with locking nut, set of collets, wrench, and case
50130	SC - 250mm column extension
50140	ISO-30 - Extension for spindle ISO.30
50141	ISO-40 - Extension for spindle ISO.40
50170	SAH - Automatic tool holder for ISO cone
50250	ACNL - Rapid approach and retraction with pneumatic counterweight
50260	CI - Integral cycle with Encoder for tube drilling / intermittencies and profiles.

ACCESSORIES



CHUCK



TOOL HOLDER



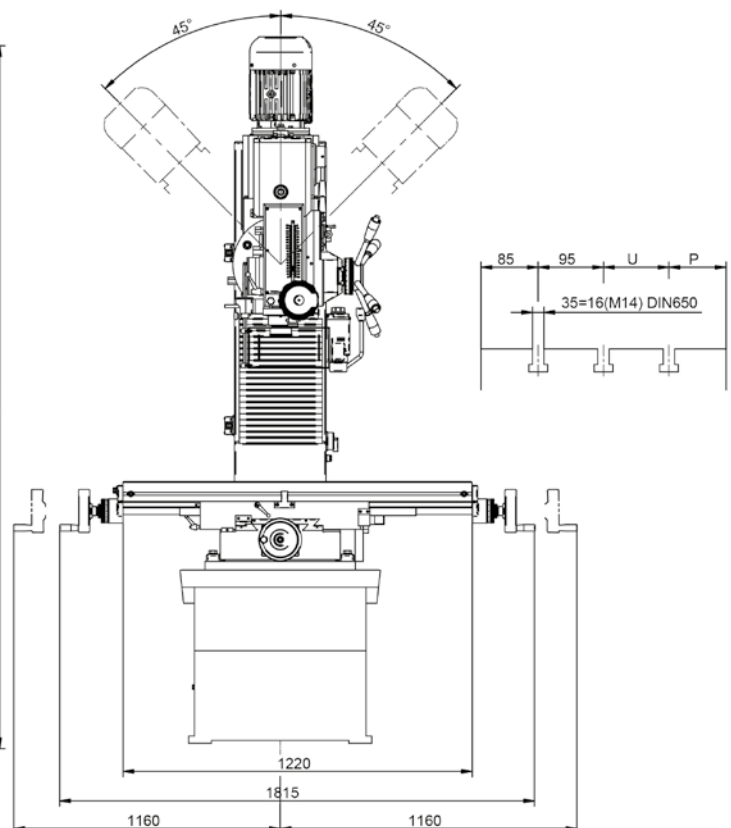
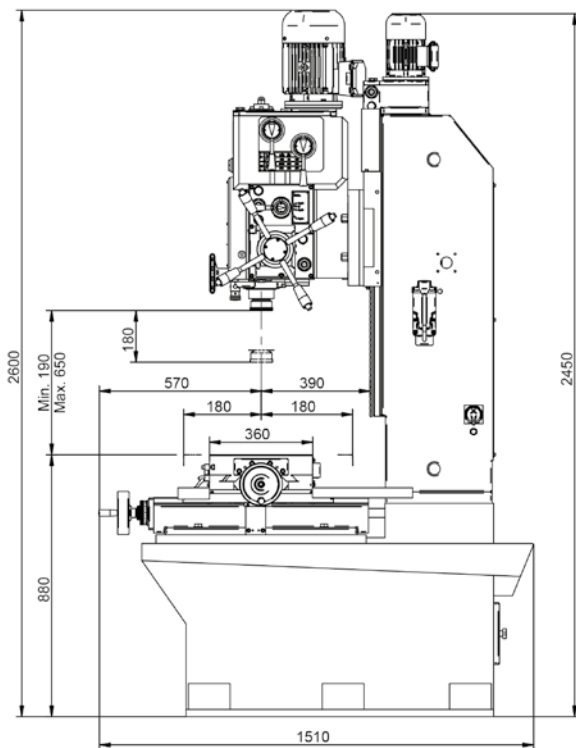
REDUCTION SLEEVES



VICES



PEDAL





FIXED WORKTABLES: A PERFECT SOLUTION FOR SERIAL WORK

Fixed Worktables provide greater comfort and efficiency in laying out parts and tools. These tables allow for the clamping of large or heavy parts, which makes handling easier and ensures stability during the work. In this context, the batteries and machines designed based on the principle of flexibility are essential for performing multiple operations on large pieces. This is particularly useful for serial work, where the part moves from one head to another to complete different processes such as drilling, tapping, or milling, with equipment tailored for each operation.

CUSTOMISED SOLUTIONS TO MAXIMISE PRODUCTIVITY

ERLO GROUP offers solutions tailored to the specific needs of each client, combining tables of different sizes with configurations of up to six heads. These setups are perfect for long series since they allow various operations to be performed on one single machine with high precision and efficiency. Compared to machining centres, these solutions not only stand out for their flexibility and customisation but also for their significantly lower cost. This approach enables companies to increase productivity and optimise resources, positioning them as a cost-effective and efficient alternative in the industrial sector.





CHUCK

Self-centring chuck holders for drilling machines up to Ø 13 or 16 mm with Morse cone 3 or 4.



TOOL HOLDER

Morse cone, tool holder, and collets for tapping.



REDUCTION SLEEVES

Different reduction sleeves between Morses.



ISO 40

Main spindle ISO-40 cone with quick-change nut.

CONVENTIONAL VICES



L-100

Light fixed vice.
Maximum opening: 116 mm
Jaw width: 105 mm
Jaw height: 31.5 mm
Net weight: 8.5 kg.



L-125

Light fixed vice.
Maximum opening: 160 mm
Jaw width: 125 mm
Jaw height: 41.5 mm
Net weight: 14.7 kg.



M-116

Fixed vice.
Maximum opening: 116 mm.
Jaw width: 100 mm.
Jaw height: 31.5 mm
Net weight: 9 kg.



M-157

Fixed vice.
Maximum opening: 157 mm.
Jaw width: 125 mm.
Jaw height: 41.5 mm
Net weight: 15 kg.



PF 150

Fixed robust vice.
Maximum opening: 150 mm.
Jaw width: 160 mm.
Jaw height: 44 mm.
Net weight: 28 kg.



PG 150

Robust rotating vice.
Maximum opening: 150 mm.
Jaw width: 160 mm.
Jaw height: 44 mm.
Net weight: 37 kg.

QUICK AND SELF-CENTRING VICES



FR-80

Quick-release vice.
Maximum opening: 80 mm.
Jaw width: 80 mm.
Jaw height: 20 mm.
Net weight: 6 kg.



FR-125

Quick-release vice.
Maximum opening: 125 mm.
Jaw width: 125 mm.
Jaw height: 30 mm.
Net weight: 23 kg.



FK-103

Self-centring vice.
Maximum opening: 103 mm.
Jaw width: 103 mm.
Jaw height: 20 mm.
Net weight: 12 kg.

PEDALS



PIC

Pedal to start cycle or rotation (START).

PSR

Foot pedal to invert rotation (for tapping).



BUTTON

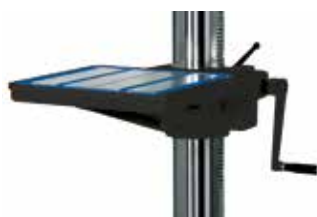
Emergency push button.

CONTROLS



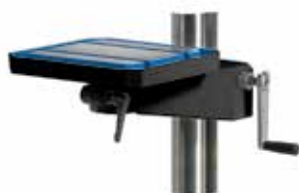
BIMANUAL COMMAND

TABLES



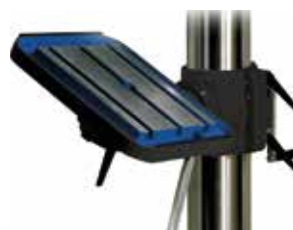
MF

Fixed table.
Standard for series



MG

Rotating table.



MGI

Table plate with rotation on an inclinable support.



MGM

Rotating table with vice.

CROSS TABLES



340 XY

Coordinate table with spindles.
X = 220 mm.
Y = 140 mm.
Table net weight = 25 kg.



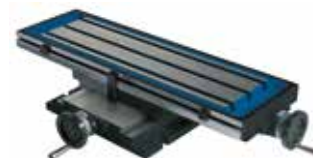
430 XY

Coordinate table with spindles.
X = 280 mm.
Y = 180 mm.
Table net weight = 40 kg.



600 XY

Coordinate table with spindles.
X = 400 mm.
Y = 180 mm.
Table net weight = 52 kg.



800 XY

Coordinate table with spindles.
X = 500 mm.
Y = 250 mm.
Table net weight = 93 kg.



1000 XY

Coordinate table with spindles.
X = 700 mm.
Y = 250 mm.
Table net weight = 150 kg.



FIXED OR MOTORISED WORKTABLES

Photograph of 850x600mm
fixed table



FIXED LARGE TABLES

1118x813 mm.



FIXED BASES OF DIFFERENT SIZES

FLOW DRILLING + TAPPING KIT

FLOW DRILLING

STARTER KIT

EXAMPLES



MULTIPLE HEADS



CM

Multiple heads with spindles at fixed or adjustable distances.



AR

Reduced feeds (50% standard line)



MQL

Micro-lubrication system.

STANDARD SETUP FOR MULTIPLE HEAD OPERATIONS

Accessories and functions

ACNL

Automatic drilling cycle with rapid approach, working feed, and quick return, featuring an additional function to assist in lifting the weight of the multiple-head unit using a pneumatic counterweight.

UC

Union, drive cone, and mounting for multiple-head unit.

GM

Guide for multiple heads to increase rigidity.

SC

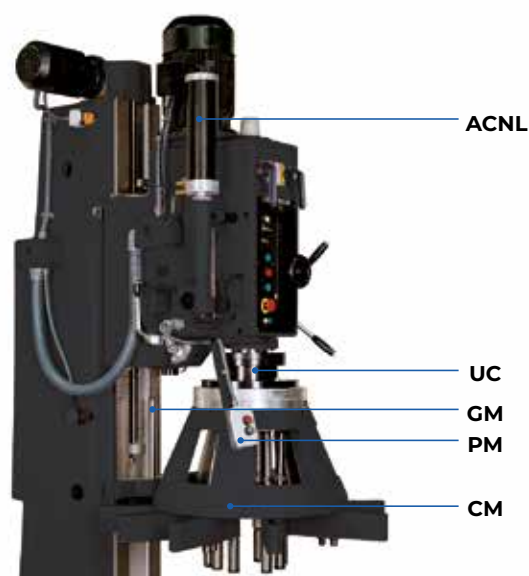
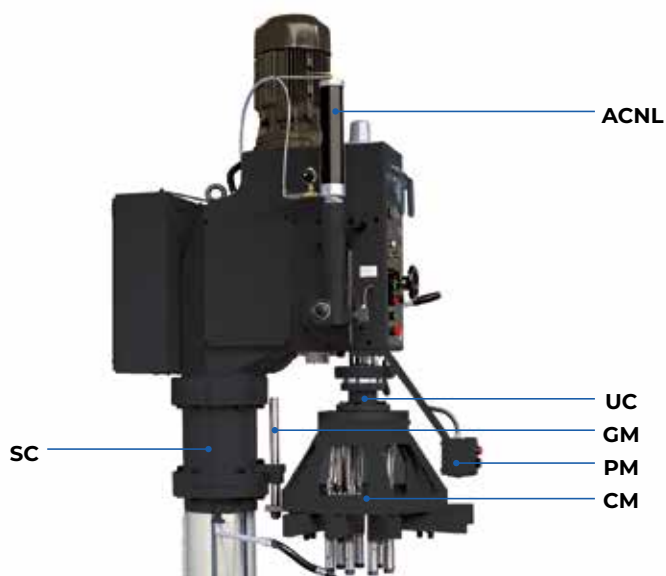
200 mm column extension to increase the distance between the table and the drill bits.

CM

Multiple heads with spindles at fixed or adjustable distances.

PM

Extension of controls (START/STOP/EMERGENCY) to the operator's working height.



SHARED ENGINEERING

Throughout our long history, we have manufactured hundreds of machines alongside our clients, executing "shared engineering" projects. They told us about their problem, and we proposed the best solutions based on our experience.

This collaboration has borne ingenious machines and solutions. We have numerous applications for parts in the automotive sector, valve manufacturing, flanges, etc., providing productivity and cost-per-piece solutions that outperform even the most sophisticated CNC machines



Simultaneous drilling application of 76 holes in a paddle.



2-unit battery (drilling-tapping) per pattern spindle for automotive ball joints.



Drilling with a rotating head on a double table bench. The lower rear table enables work on bulky parts.



Detail of hydraulic self-centring clamping tools for automotive ball joints.



Detail of drilling with a multiple head for automobile steering wheels.



Drilling unit with a multiple head for steering wheels in the automotive sector, following the client's strict technical and safety standards.

Notes

[illegible]



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