

SERIE X

STANDARD EQUIPMENT

- Hardened and ground high quality steel gears
- Speed plate and selecting levers on head front
- Depth scale and adjustable depth stop
- Thermomagnetic switch
- Emergency STOP push button
- Spindle reversing switch
- Machined base with coolant tank
- Worklight
- Fixed table
- Safety drill guard with microswitch
- CE mark



With rotating table plate and tilting support (MGI).



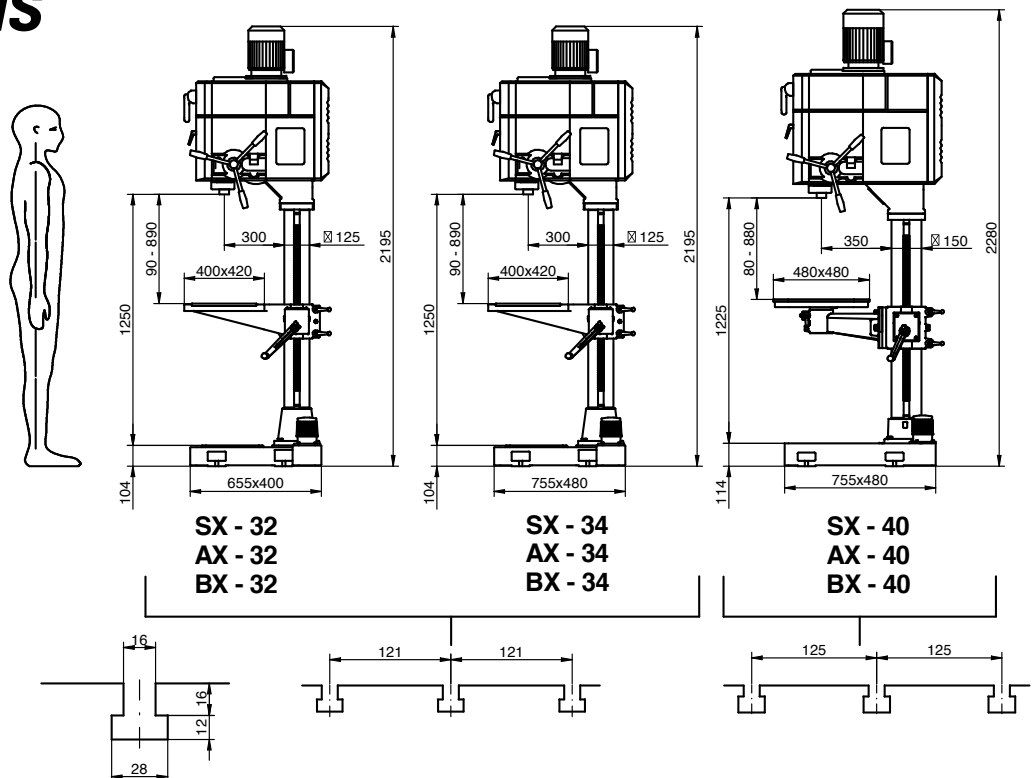
With reversible tiltable with vice (MGM).



With co-ordinate cross table (MCC).

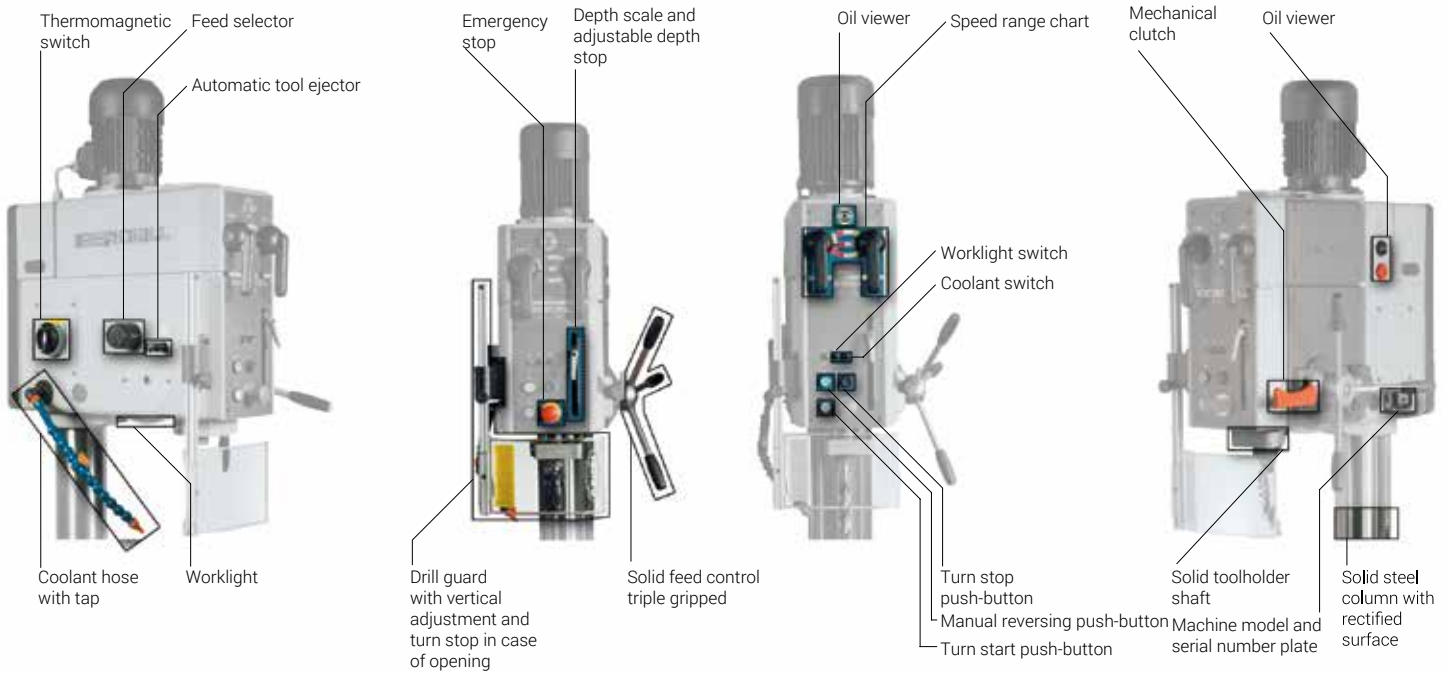
DIMENSIONS

Round column



X SERIES

Round Column - Gear transmission



|| CHARACTERISTICS

SX-32

AX-32

BX-32

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]	M 22		
Maximum tapping capacity in cast iron 200 Brinell	[mm]	M 27		
Morse Taper MT	[Nr.]	4		
Maximum spindle stroke (drilling depth)	[mm]	150		
Main motor power	[HP (Kw)]	1,5 (1,1)		
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. (160-2220 rpm)	[rpm]	132-194-277-319-466-666-883-1296-1852		
Feed		Manual	Automatic	Automatic
Nr. of automatic feeds		-	3	
Automatic feed range	[mm/rev]	-	0,1-0,2-0,3	
Worktable dimensions (LxW).	[mm]	400x420		
Column diameter	[mm]	125		
Distance from spindle centre to column face	[mm]	300		
Net weight	[Kg]	385	400	410
Gross weight with packing	[Kg]	435	450	460
Packing dimensions (length x width x height)	[m]	2,3x0,6x1,1		2,34x0,61x1,16

SERIE X



STANDARD EQUIPMENT

- Hardened and ground high quality steel gears
- Speed plate and selecting levers on head front.
- Depth scale and adjustable depth stop
- Automatic tool ejector
- Emergency STOP push button
- Spindle reversing switch
- Electric equipment integrated on machine's head
- Machined base with coolant tank
- Worklight
- MF: Fixed table for model 34
- MGI: Rotating and tilting table for model 40
- Safety drill guard with microswitch
- CE mark

ø 34 mm ø 40 mm	M 27 M 33	1,5 Kw 2,2 Kw	MT 4 MT 4	150 mm 180 mm	ø 125 mm ø 150 mm	300 mm 350 mm



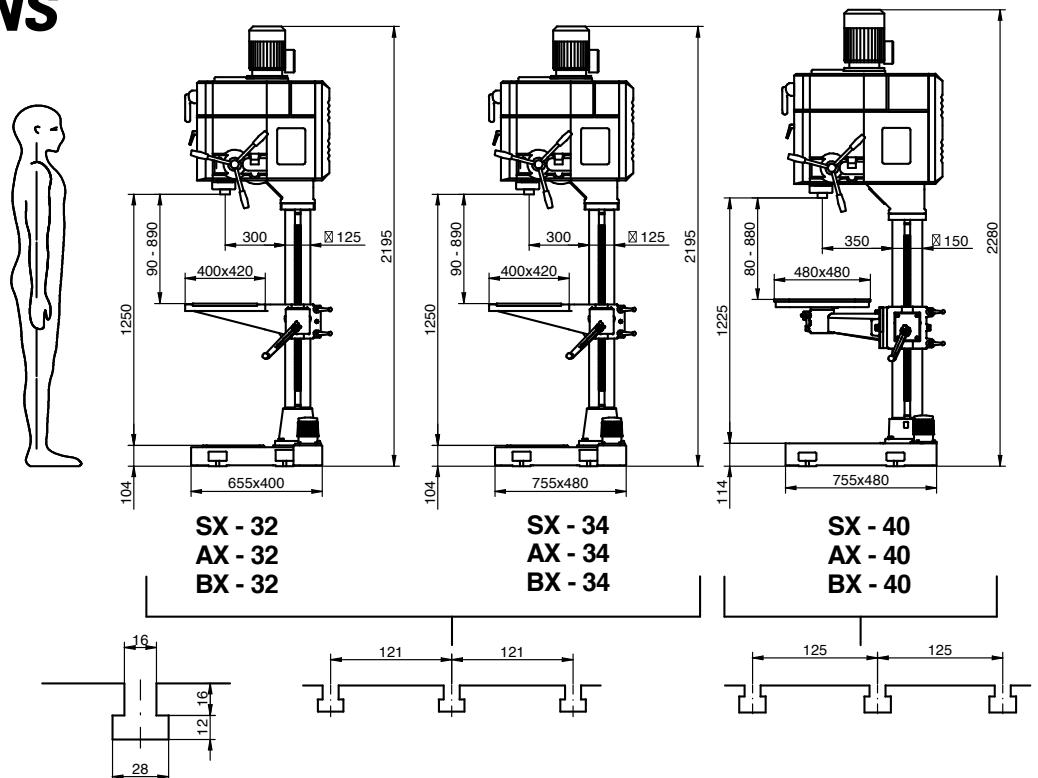
With rotating table plate and tilting support (MGI).

With reversible tiltable with vice (MGM).

With co-ordinate cross table (MCC).

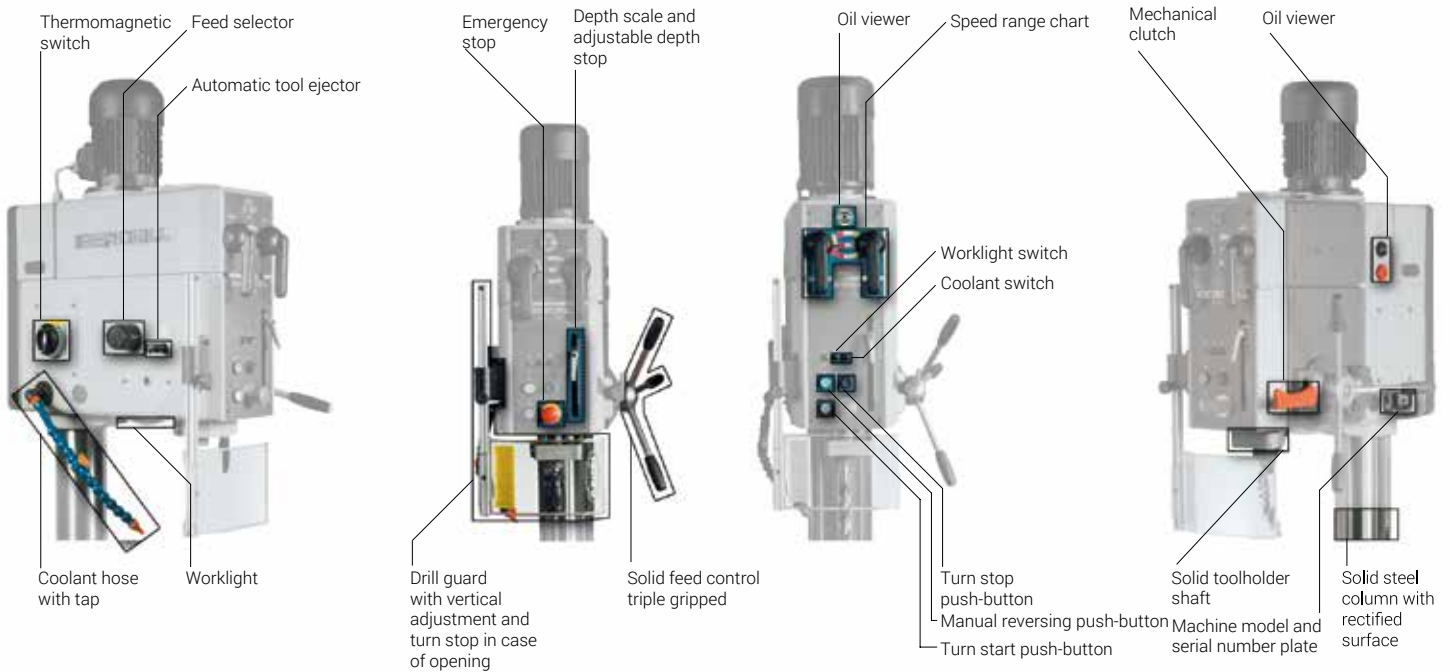
DIMENSIONS

Round column



X SERIES

Round column - Gear Transmission



|| CHARACTERISTICS

SX-34 AX-34 BX-34 SX-40 AX-40 BX-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			180		
Main motor power	[HP (Kw)]	2 (1,5)			3 (2,2)		
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. (160-2220 rpm)	[rpm]	132-194-277-319-466-666-883-1296-1852					
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]	385	400	410	475	490	500
Gross weight with packing	[Kg]	435	450	460	525	540	550
Packing dimensions (length x width x height)	[m]	2,3x0,6x1,1					

OPTIONAL EQUIPMENT

TABLES INCLUDING SUPPORTS



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



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



MCC-125
Cross table over support.
Available for **Z/X (32/34)** series.



MCC-150
Cross table over support.
Available for **Z/X (40)** series.

CROSS TABLES



MB2
Cross table.
X = 280 mm.
Y = 180 mm.
Table net weight = 40 kg.
Available for **Z/X** series.



MB3
Cross table.
X = 400 mm.
Y = 180 mm.
Table net weight = 52 kg.
Available for **Z/X(32-34)** series.



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.

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.

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.

OPTIONAL EQUIPMENT

SPEED CONTROL / MEASURE / TAPPING



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



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



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



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



MQL
Micro-lubrication system. Available for all 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

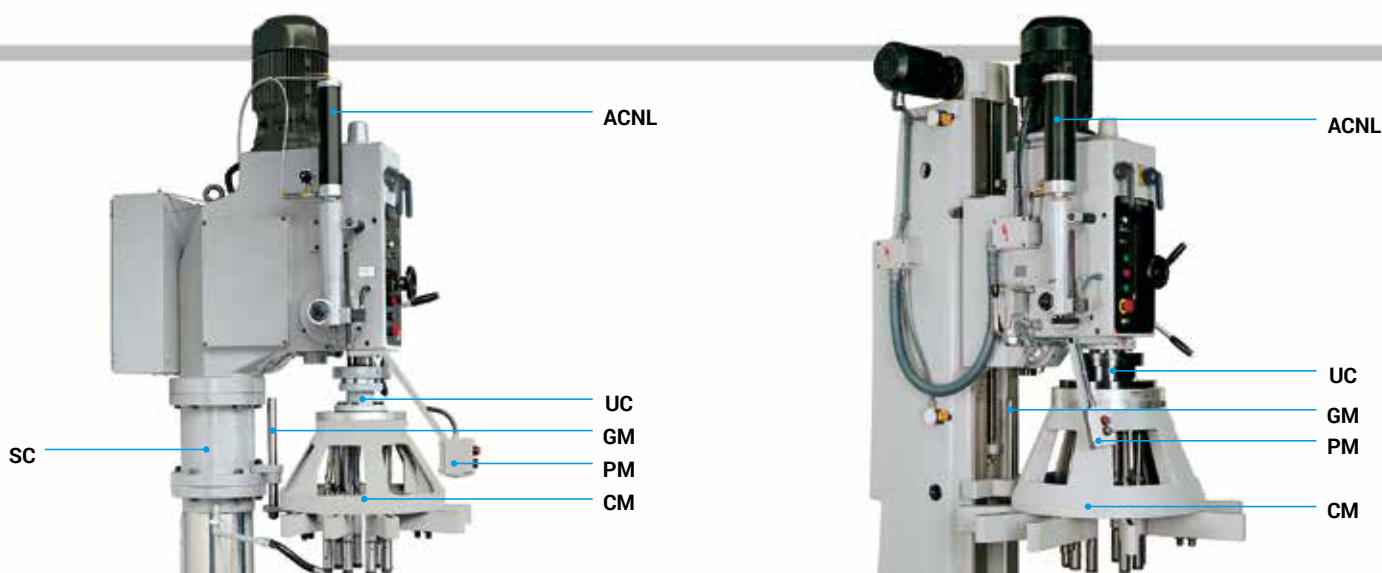
Multi-spindle head guide rod.

PM

START/STOP and emergency STOP control extensión.

SC

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



OPTIONAL EQUIPMENT

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.

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...



PL
Manual jaw chuck.
Available for all series.



PN
Pneumatic jaw chucks.
Available for all series.



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.