

## F SERIES

your choice for:



## || STANDARD EQUIPMENT

- Adjusting of the vertical position of the head by geared-motor
- 45° tilting head on both sides of the central axis
- Hardened and ground high quality steel gears
- Gear box lubrication by automatic pump
- Automatic guide greasing by manual pump
- High/low speed range selector
- Coolant tank and pump in machine base
- Worklight
- Co-ordinate cross table
- Automatic feed and cut-off by electromagnetic clutch
- Front hand wheel for fine feed work
- 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









0,9/1,5 Kw

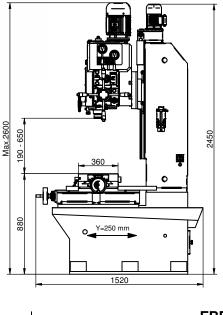


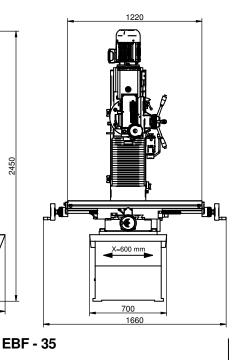
MT 4

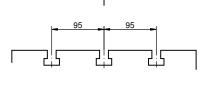


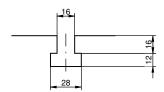
200 mm 38

|| DIMENSIONS





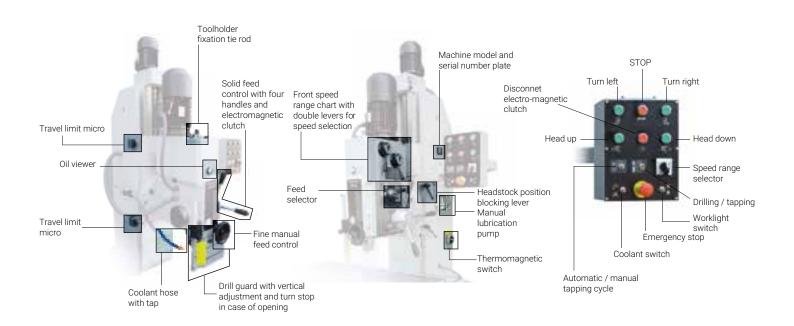




## IBERDRILL Drilling Machines

## F SERIES

## Drilling/Milling machine/Prismatic Column/ Gear transmision



## || CHARACTERISTICS EBF-35

Maximum drilling capacity in steel St. 50/60	[ø mm]	35
Maximum milling capacity in steel St. 50/60	[cm <sup>3</sup> /min]	55
Maximum tapping capacity in steel St. 50/60	[mm]	M 35
ISO taper (upon request)	[Nr.]	30
Morse Taper MT	[Nr.]	4
Maximum spindle stroke (drilling depth)	[mm]	180
Main motor power	[HP (Kw)]	1,2 / 2 (0,9/1,5)
Transmission		Gear box
Number of speeds		16
Speed range with motor at 750/1500 rpm 50 Hz 3Ph. Upon request: Motor at 1800/3600 rpm 60 Hz 3Ph.	[rpm]	94-135-189-207-271-303-347-416-497-606-695-760-995-1112-1520- 2225 113-162-226-248-324-363-417-496-597-726-834-912-1194-1335- 1824-2670
Speed range with inverter motor at 750/1500 rpm 50 Hz Tri.	[rpm]	A)152-608 B) 223-890 C) 559-2236 D 818-3272
Feed		Automatic by electromagnetic clutch
Nr. of automatic feeds		3
Automatic feed range	[mm/rev]	0,1 - 0,18 - 0,24
Worktable dimensions (LxW).	[mm]	360 x 1220
Longitudinal movement of the table (X)	[mm]	700
Cross movement of the table (Y)	[mm]	360
Distance from spindle centre to column face	[mm]	390
Net weight	[Kg]	910
Gross weight with packing	[Kg]	1400
Packing dimensions (length x width x height)	[m]	1,68 x 1,68 x 2,52



## **EQUIPMENT**

## 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.



## **EQUIPMENT**

## SPEED CONTROL / MEASURE / TAPPING



۷E

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** serie.

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** 



#### ΗВ

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 appproach, 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.

#### СМ

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

#### GM

Multi-spindle head guide rod.

#### РМ

START/STOP and emergency STOP control extensión.

#### 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.



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



HGP Master guide spindle and nut set.



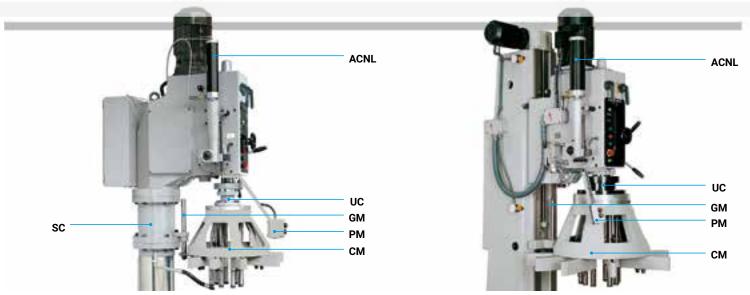
СМ Multi-spindle drilling heads with fixed or adjustable spindles. Available for all series.



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



MQL Microlubrification system. Available for all series.





# **EQUIPMENT**

## STANDARD VICES









#### L-100

series.

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** 

#### 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** 

#### 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.