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Tool Holders

01 = Jacobs 1 cone
02 = Jacobs 1 chuck
03 = ER16
04 = DIN 55058 Ø 16mm

Motor type

01 = 0,25 kW, 2 poles, housing 63
02 = 0,37 kW, 2 poles, housing 63

Command

03 = External valve

Hidrocheck

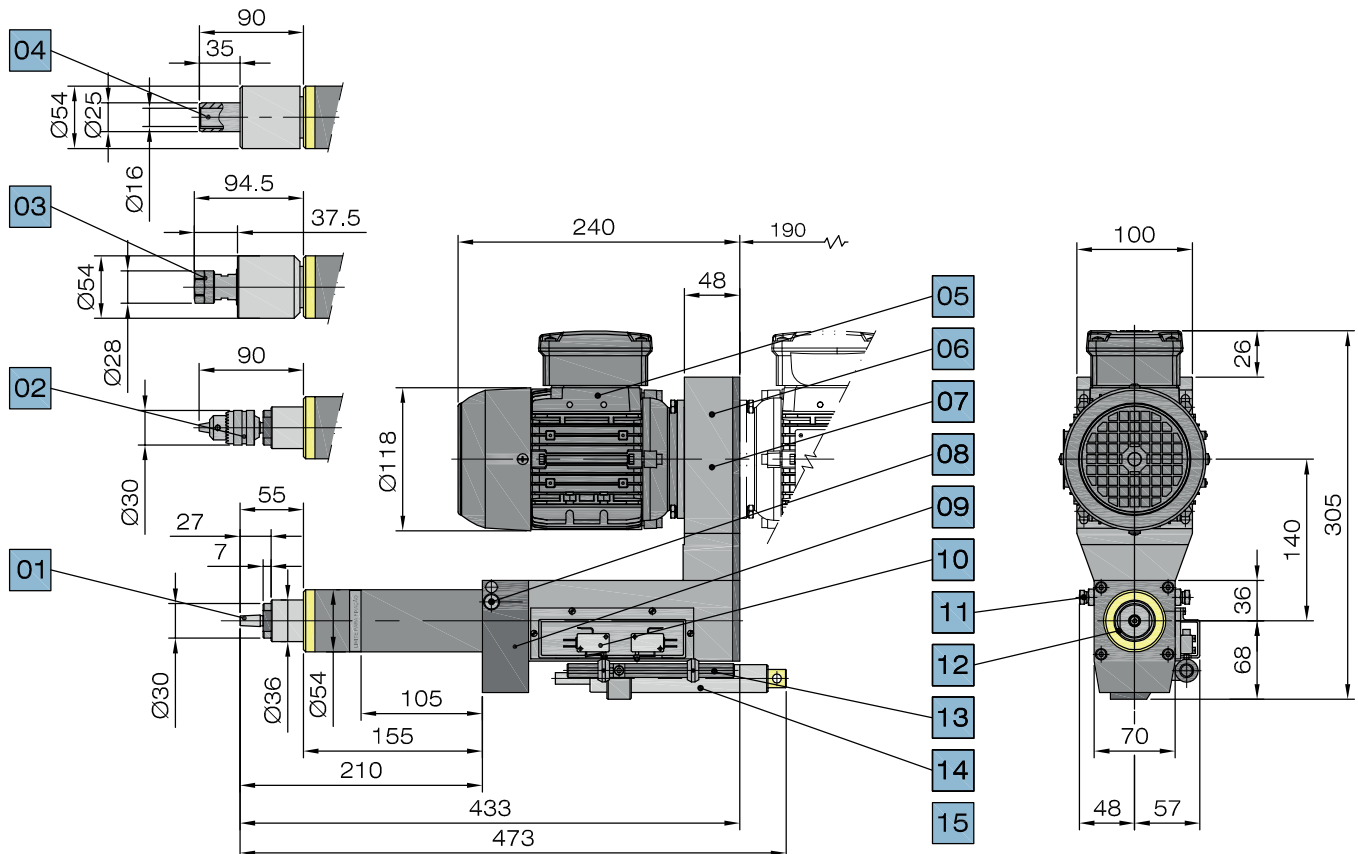
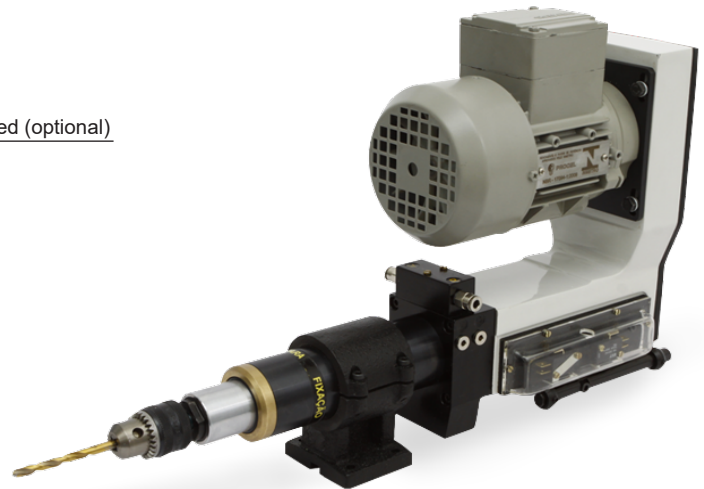
25 mm
50 mm

PP =
intermittent feed (optional)

RPM

2 poles

- 1700
- 1900
- 2200
- 2500
- 2900
- 3300
- 3800
- 4500
- 5000
- 6000
- 6700
- 7400
- 8200



Self-feed Drilling Unit model FA

Four tool holder options: **DIN 55058 Ø16mm**, **ER16 DIN 6499**, **Jacobs 1 cone** and **Jacobs 1 chuck**.

Multispindle heads can be attached to the quill Ø36 mm using Jacobs 1 tool holder.

The drive of the unit is electro-pneumatic and performs rapid advance; slow cutting feed rate; and fast return. The slow advance is controlled by a built-in hydraulic brake cylinder. Thus, allowing speeds from 0.4 to 25mm/s. The advance and return strokes are controlled by inductive limit switches.

Using the brackets **SU54** or **SH54**, it can be installed in any position: Vertically, horizontally or inclined

Optional: Control valves; Multispindle heads intermittent feed (peckfeed) for deep drilling; rear-mounted engine.

TECHNICAL FEATURES	
Model	FA
Drilling capacity	Ø 5 mm SAE 1020 Steel
Drilling capacity	Ø 7 mm Aluminum
Drilling capacity	Ø 8 mm Bronze
Concentricity	0.01 mm max. for spindle DIN / ER
Total stroke	70 mm
Total stroke (Slow)	25 mm / 50 mm
Work pressure	5 - 7 bar
Feed force	680 N at 6 bar
RPM Options	1700 - 8200 RPM
Motor voltage	220 / 380 / 440 V
Motor power	0,25 kW - 0,37 kW
Weight	11,5 kg

CONCEPT	
01	Jacobs 1 cone
02	Jacobs 1 chuck - 0.5 to 6 mm capacity
03	Tool holder ER16 DIN 6499 - 1 to 10 mm capacity
04	Spindle DIN 55058 Ø16 mm
05	Three-phase motor (optional rear mounted)
06	Synchronized belt and pulley transmission
07	Cast aluminum body
08	Return connection for Ø6 mm hoses
09	100 mm feed stroke (optional)
10	Advance and return limit switches
11	Return connection for Ø6 mm hoses
12	Chrome-plated hose guided by bronze bearing
13	Cam rule for advance and return control
14	Hidrocheck (Hydraulic speed regulator)
15	Control valve

Drillmaster reserves the right to modify features without prior notice