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Tool Holders

01 = Jacobs 6 cone
02 = Jacobs 6 chuck
03 = ER20 DIN 55058 6499
04 = DIN 55058 Ø20 mm

Motor type

01 = 0.55 kW, 2 poles, housing 71
02 = 0.75 kW, 2 poles, housing 71
03 = 0.37 kW, 4 poles, housing 71
04 = 0.55 kW, 4 poles, housing 71

Command

03 = External valve

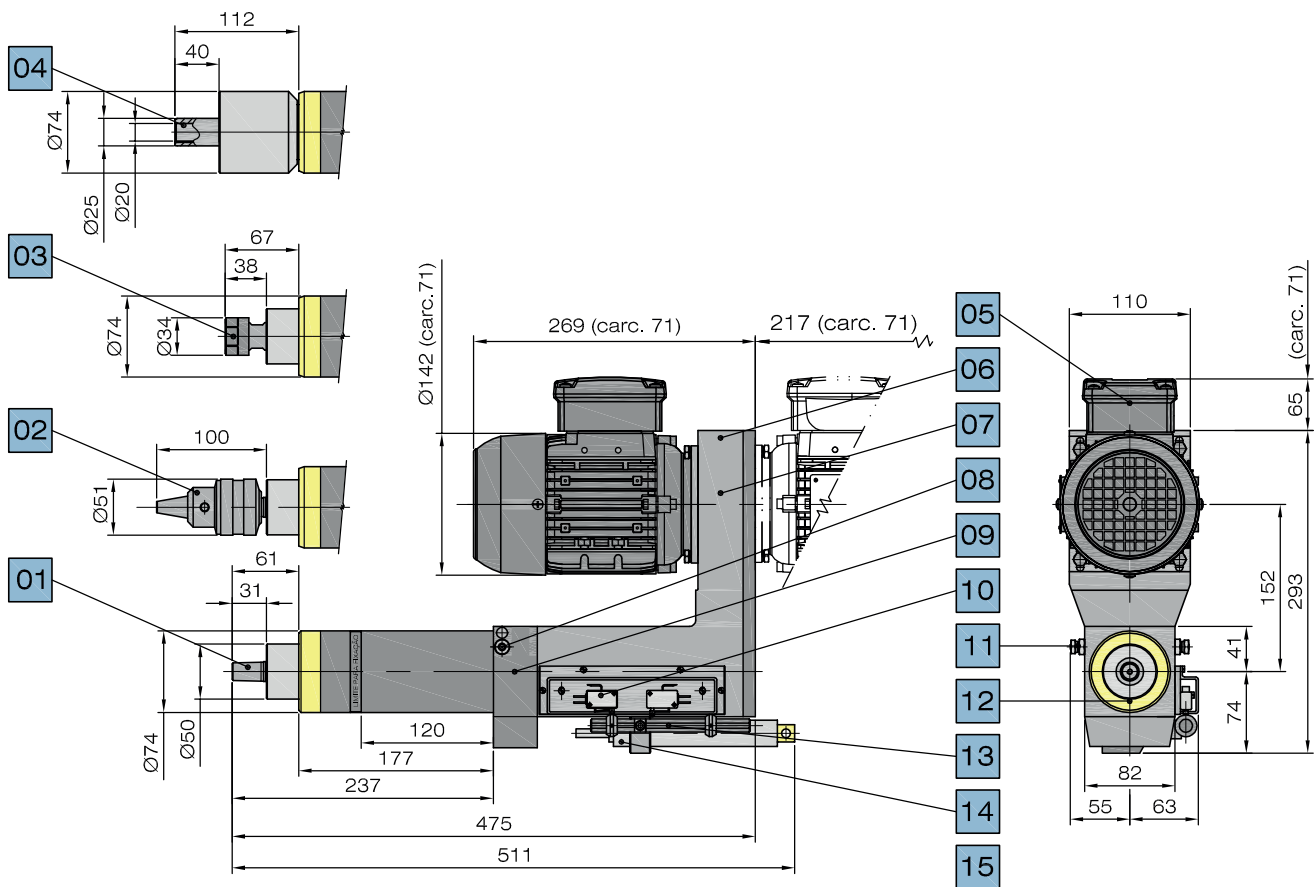
PP =
intermittent feed (optional)

RPM

2 poles	4 poles
- 2500	- 1100
- 2900	- 1300
- 3300	- 1500
- 3800	- 1700
- 4500	- 1900
- 5000	- 2100
- 6000	
- 6700	

Hidrocheck

25 mm
50 mm
75 mm



Self-feed Drilling Unit model FB

Four tool holder options: **DIN 55058 Ø20mm, ER20 DIN 6499, Jacobs 6 cone, and Jacobs 6 chuck.**

Multispindle heads can be attached to the quill Ø50 mm using Jacobs 6 cone.

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 **SU74** or **SH74**, it can be installed in any position: Vertically, horizontally or inclined

Optional: Control valves; Multispindle heads intermittent feed (peck feed) for deep drilling; rear-mounted engine, and 100 mm total stroke.

TECHNICAL FEATURES	
Model	FB
Drilling capacity	Ø 9 mm SAE 1020 Steel
Drilling capacity	Ø 12 mm Aluminum
Drilling capacity	Ø 13 mm Bronze
Concentricity	0.01 mm max. for spindle DIN / ER
Total stroke	80 mm / 100 mm (optional)
Total stroke (Slow)	25 mm / 50 mm / 75 mm
Work pressure	5 - 7 bar
Feed force	1370 N at 6 bar
RPM Options	1200 - 6700 RPM
Motor voltage	220 / 380 / 440 V
Motor power	0,25 kW - 0,75 kW
Weight	16,5 kg

CONCEPT	
01	Jacobs 6 cone
02	Jacobs 6 chuck - 1.5 to 13 mm capacity
03	Tool holder ER20 DIN 6499 - 1 to 13 mm capacity
04	Spindle DIN 55058 Ø20 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