

F20 / * / * / * / * / * / *

Toolholder

01 = Jacobs 6
02 = Drill chuck
03 = ER32 DIN 6499
04 = DIN 55058 Ø 28 mm

Motor

01R = 2,2 kW, 4 poles, size 90
02 = 0,75 kW, 6 poles, size 90
03 = 1,1 kW, 6 poles, size 90
04 = 1,5 kW, 4 poles, size 90
05 = 2,2 kW, 4 poles, size 90
06 = 2,2 kW, 2 poles, size 90
07 = 3,0 kW, 2 poles, size 90

PP - Peck feed (Optional)

RPM

2 Poles	4 Poles	6 Poles
- 5100	- 2600	- 900
- 4300	- 2200	- 700
- 4000	- 2000	
- 3400	- 1720	
- 2900	- 1500	
	- 1300	
	- 1000	
	- 390	
	- 330	
	- 260	
	- 190	
	- 150	

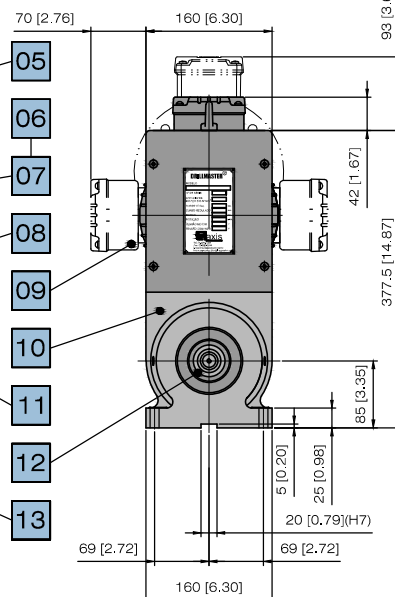
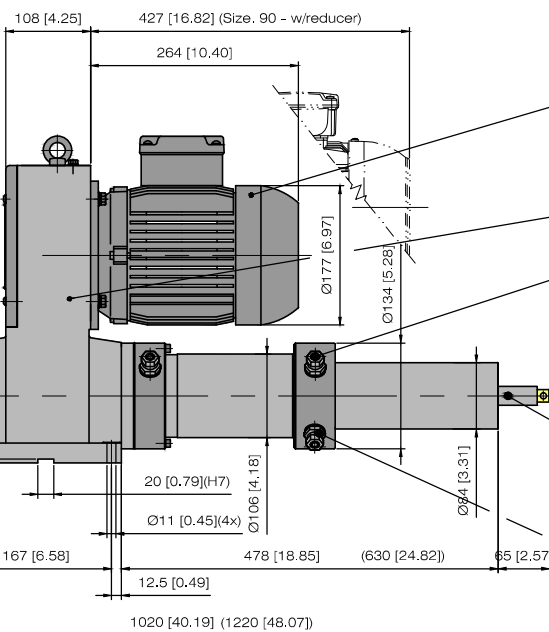
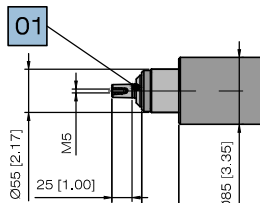
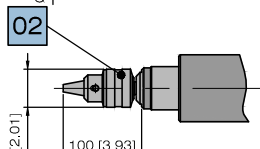
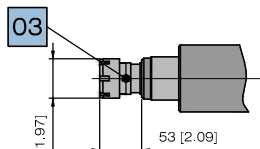
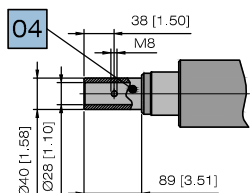
Reducer

Hydraulic brake cylinder

50 mm
75 mm
100 mm With Peck Feed
150 mm With Peck Feed

MAX. STROKE

100 mm
150 mm



Automatic drilling unit F20

Three tool holder options

- ER20 DIN 6499, Jacobs 6, DIN 55058 Ø 28 mm
- Multispindle heads can be attached to the quill Ø 50 mm

- The unit is equipped with a three phase electric motor and have an integrated pneumatic feed
The controlled feed is made by a hydraulic brake cylinder

- Using the universal support model SU92 or SU110 the unit can be used in any position
- Options: Pneumatic valve; multispindle heads peck-feed for deep drilling applications rear mounted motor.

(Dimensions between parenthesis: 150 mm total stroke)

TECHNICAL DATA	
Model	F20-100 / F20-150
Drilling capacity	Ø 20 mm Stell 500 N/mm²
Concentricity	0.01 mm
Total Stroke	100 / 150 mm
Feed Stroke	50 / 75 mm
Working pressure	90 - 100 PSI
Thrust	4150 N - 90 PSI
RPM range	150 - 5100 RPM
Motor voltage	230 / 380 / 440 V
Motor power	0,75 kW à 3,0 kW
Weight	45 / 50 Kg

(Dimensions between brackets in inches)

FEATURES	
01	Jacobs 6
02	Drill chuck - 1.5 t 13 mm
03	Collet ER20 DIN 6499 - 2 to 20 mm
04	DIN 55058 Ø 28 mm
05	Three phase motor
06	Gearbox reducer (optional)
07	Timing pulleys and bolt
08	Pneumatic connection - Ø 8 mm
09	Electrical box position - 4 x 90°
10	Aluminum body
11	Hydraulic brake cylinder
12	Chrome plated quill guided on honed housing
13	Electrical union PG9

Drillmaster reserves the right to modify characteristics without notice