



**EK Series Center Clamping Injection Molding Machines**  
**MODEL: BL160EK/C610**

**INJECTION UNIT: Measure Unit Models**

DESCRIPTION:	UNIT	BL160EK/C610		
		A	B	C
Screw Diameter:	in	1.575	1.772	1.969
	mm	40	45	50
Screw Ratio:		23	20	19
Theoretical Injection Capacity	cu in	17.25	21.84	26.96
	cm <sup>3</sup>	283	358	442
Shot Weight (PS)	g	260	329	442
	oz	9.2	11.6	14.3
Injection Rate Into Air	cu in/s	8	10.1	12.4
	cm <sup>3</sup> /s	131	165	204
Injection Pressure	psi	31187	24659	20017
	MPa	215	170	138
Plasticizing Rate	g/s	17	24	33
Injection Stroke	in	8.86		
	mm	225		
Max. Injection Speed	in/s	4.09		
	mm/s	104		
Max. Screw Speed	r/min	210		

**CLAMPING UNIT: Measure Unit Model**

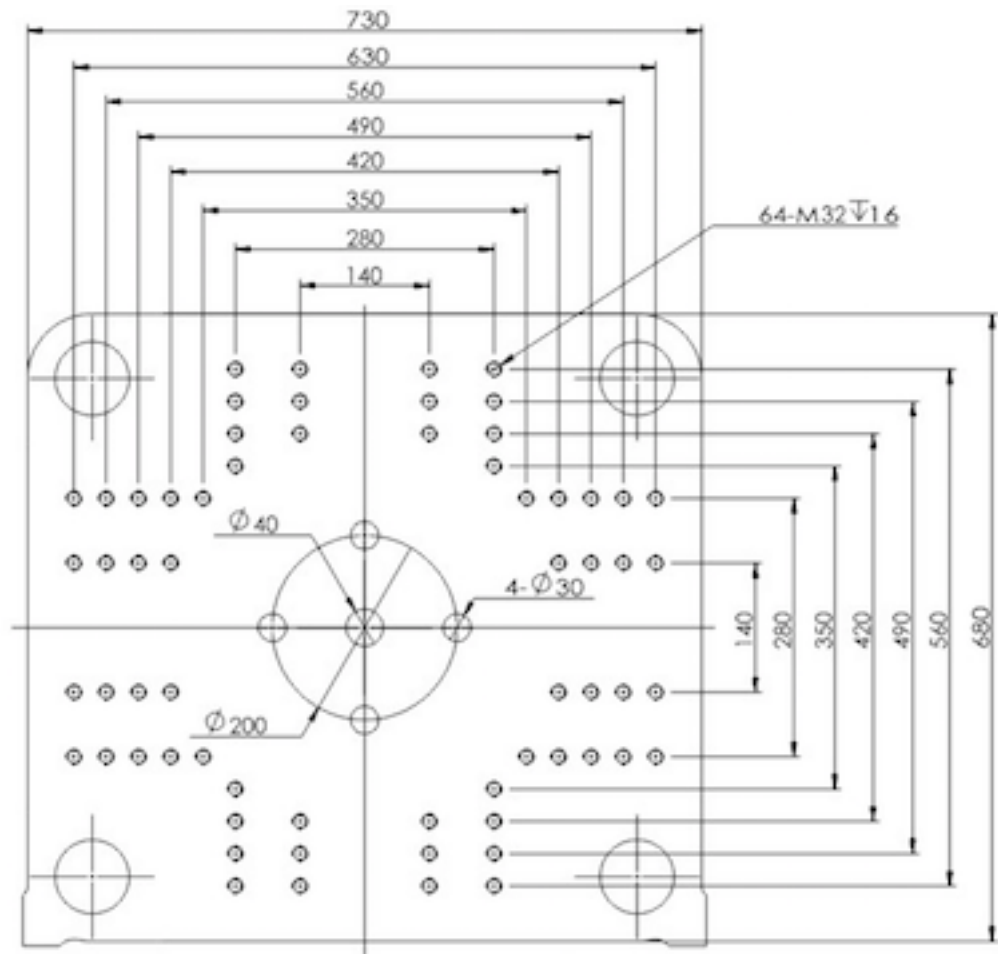
Clamping Force	US ton	180
	kN	1600
Opening Stroke	in	19
	mm	480
Space Between Tie Bar	in x in	20.07 x 18.11
	mm x mm	510 x 460
Platen Size	in x in	28.74 x 26.77
	mm x mm	730 x 680
Min. Mold Height	in	7.87
	mm	200 (165)
Max. Mold Height	in	20.87
	mm	530 (495)
Max. Distance Platen	in	39.78
	mm	1010 (975)
Ejector Stroke	in	6
	mm	150
Ejector Force Forward	US Ton	5
	kN	45
Ejector Force Back	US Ton	4
	kN	34
Number of Ejector Bar(s)	PC	5

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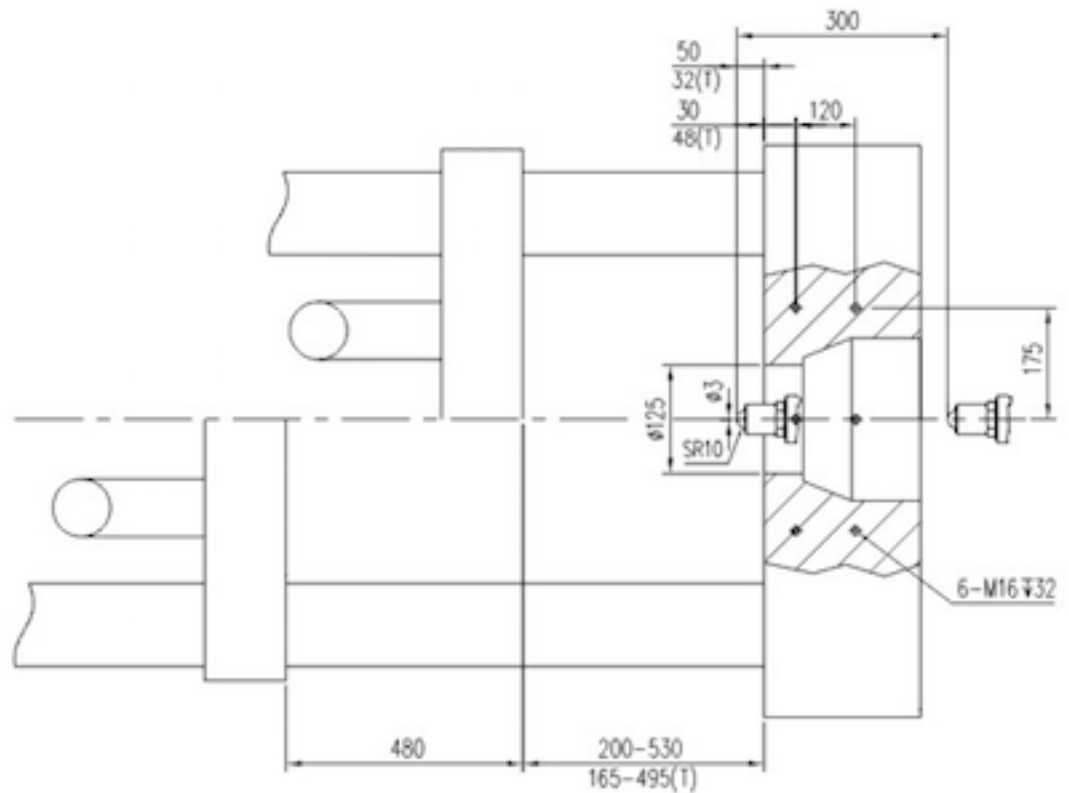
Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	28.15
	kW	21
Heater Power	kW	11.85
Number of Temp. Control Zones		3+1
Hoper Capacity	Lbs	55.125
	kg	25
Oil Tank Capacity	US gal	58
	L	220
Machine Dimensions (LxWxH)	ft x ft x ft	16.31 x 4.53 x 6.17
	m x m x m	4.97 x 1.38 x 1.88
Machine Weight	Lbs	9600
	Ton	4.8

Platen Size



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Platen  
 Side Size



T Slot Platen  
 Dimension Obverse  
 Drawing(Optional)

