



EK Series Center Clamping Injection Molding Machines
MODEL: BL1700EK/C18500

INJECTION UNIT: Measure Unit Model

DESCRIPTION:	UNIT	BL1700EK/C18500			
		A	B	C	D
Screw Diameter	in	5.118	5.512	5.906	6.299
	mm	130	140	150	160
Screw Ratio:		23	21	20	18.5
Theoretical Injection Capacity	cu in	587.24	681.06	781.83	889.55
	cm ³	9623	11161	12812	14577
Shot Weight (PS)	g	8853	10268	11787	13411
	oz	312.3	362.2	415.8	473
Injection Rate Into Air	cu in/s	66.7	77.4	88.8	101
	cm ³ /s	1093	1268	1455	1656
Injection Pressure	psi	27995	24079	21033	18422
	MPa	193	166	145	127
Plasticizing Rate	g/s	132	163	195	230
Injection Stroke	in	28.54			
	mm	725			
Max. Injection Speed	in/s	3.23			
	mm/s	82			
Max. Screw Speed	r/min	63			

CLAMPING UNIT: Measure Unit Model

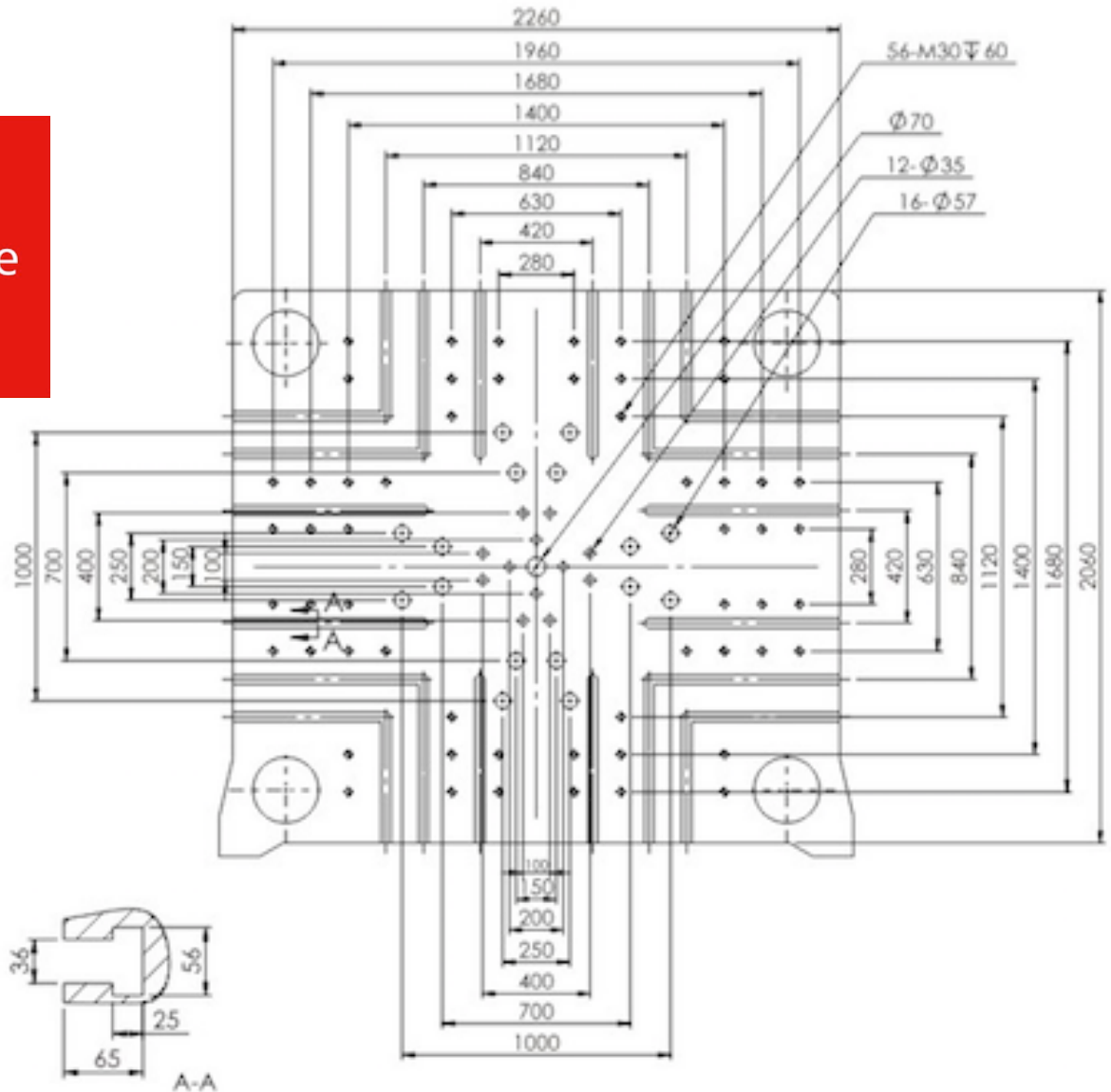
Clamping Force	US ton	1911
	kN	17000
Opening Stroke	in	66
	mm	1680
Space Between Tie Bar	in x in	64 x 56
	mm x mm	1620 x 1420
Platen Size	in x in	88.98 x 81.10
	mm x mm	2260 x 2060
Min. Mold Height	in	30
	mm	750
Max. Mold Height	in	61
	mm	1550
Max. Distance Platen	in	127
	mm	3230
Ejector Stroke	in	16
	mm	400
Ejector Force Forward	US Ton	37
	kN	332
Ejector Force Back	US Ton	29
	kN	256
Number of Ejector Bar(s)	PC	29

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Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	63+63+63
	kW	47+47+47
Heater Power	kW	87.3
Number of Temp. Control Zones		6+1
Hoper Capacity	Lbs	441
	kg	200
Oil Tank Capacity	US gal	594
	L	2250
Machine Dimensions (LxWxH)	ft x ft x ft	46.59 x 11.81 x 14.11
	m x m x m	14.2 x 3.6 x 4.3
Machine Weight	Lbs	210000
	Ton	105

Platen Size



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Platen
Side Size

