

Chapter 1 Machine Parameters

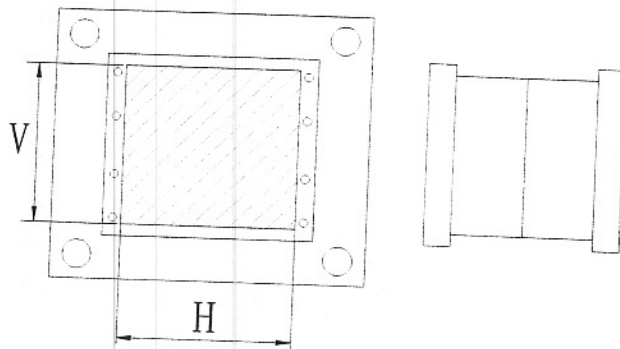
	Machine Type		ZE3000-1100(h)*		
			A	B	C
I N J E C T I O N	Screw Type		A	B	C
	Screw Diameter	mm	50	55	60
	Screw L/D Ratio		22	20	18.3
	Injection Distance	mm	240		
	Calculated Injection Volume	cm ³	471	570	678
	Injection Capacity(PS)	g	428	518	617
	Injection Speed	mm/s	160 (250)*		
	Injection Pressure	Mpa	218	180	151
		Kgf/cm ²	2220	1830	1540
	Holding Pressure	Mpa	194	160	134
		Kgf/cm ²	1980	1630	1360
	Screw Speed	RPM	320		
	Nozzle Touch Force	KN{tf}	54 {5.5}		
	Nozzle In Size	mm	50		
	Heating Input Power	KW	23.4		
M O L D	Clamping Force	KN	3000		
	Toggle Stroke	mm	600		
	Space Between Tie-Bars H*V	mm	720*720		
	Minimal Mould Size H*V	mm	470*470		
	Mould Height	mm	240-650		
	Ejector Stroke	mm	150		
	Ejector Force	KN{tf}	58.8 {6.0}		
O T H E R	Hopper Capacity	L	50		
	Machine Dimension L*W*H	m	7.14*1.98*2.38		
	Machine Weight	tf	15.4		

Notes:

1. The above data will be changed when design improves or with other reasons.
2. The maximum injection pressure and holding pressure are limited by different injection molding conditions.
3. The maximum injection capacity is [screw barrel cross-sectional area] × [injection stroke].
4. The injection quality is calculated by polystyrene (PS). There will be different situations because of different material grades, injection conditions, molds and so on.
5. { } represents reference values.
1MPa=10.2kgf/cm², 1KN=0.102tf
6. () * represents relative parameters of high speed machines.

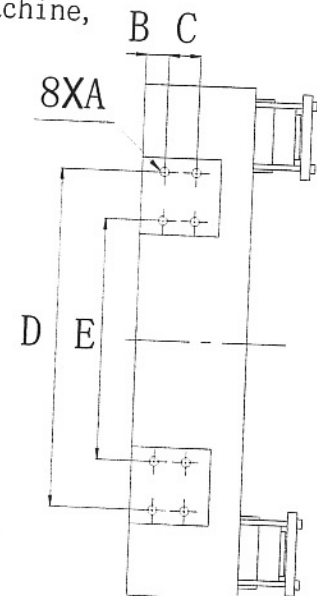
Clamping Unit Mold size parameters

To maintain the properties of injection molding machine,
Please be sure the mold size be larger than H.V



H	V
470	470

A	B	C	D	E
M20	35	140	980	700

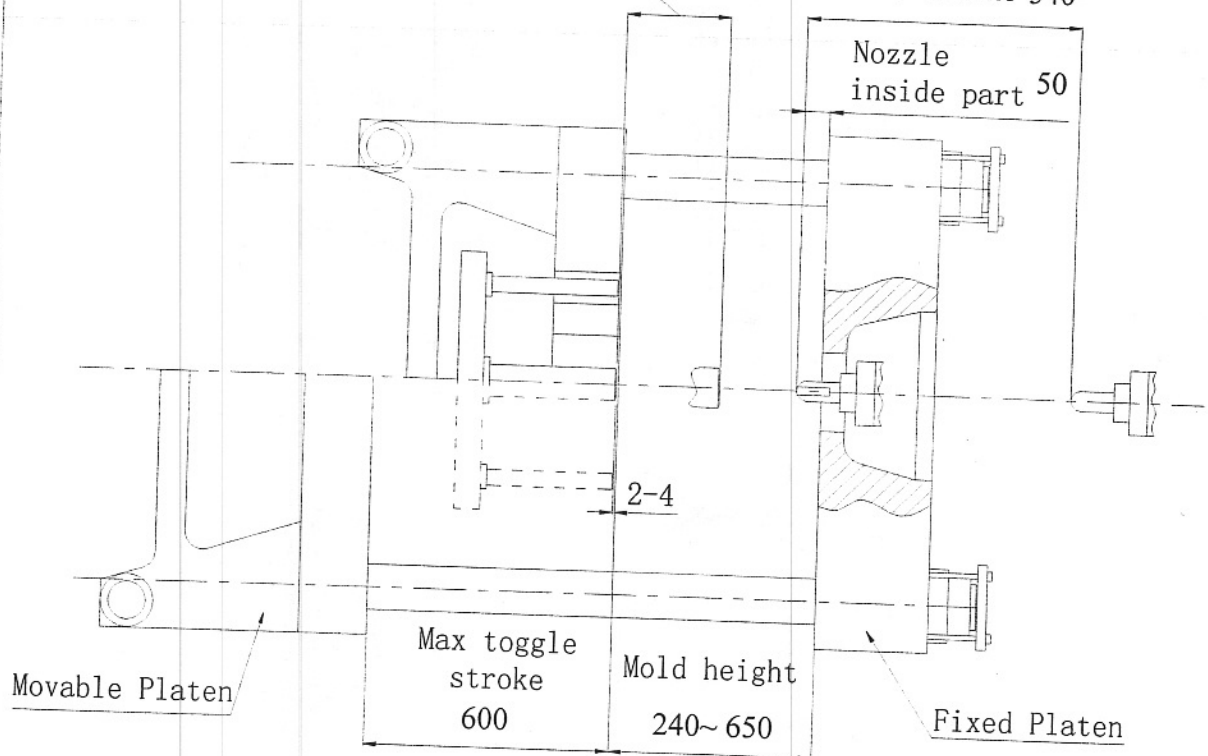


Ejector stroke 150

Ejector tonnage 58.8KN

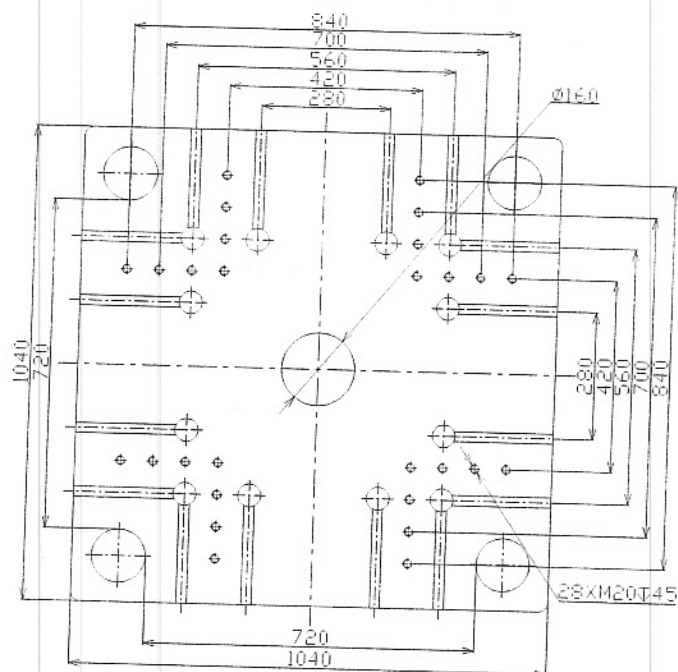
Nozzle stroke 540

Nozzle
inside part 50

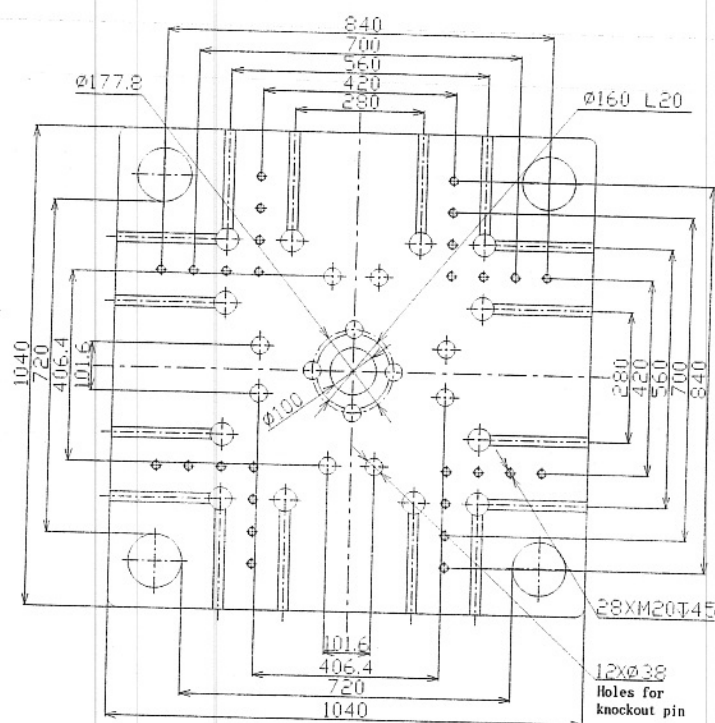


Mold size parameters

Clamping Unit Platen dimensions



Fixed platen



Movable platen

Platen dimensions