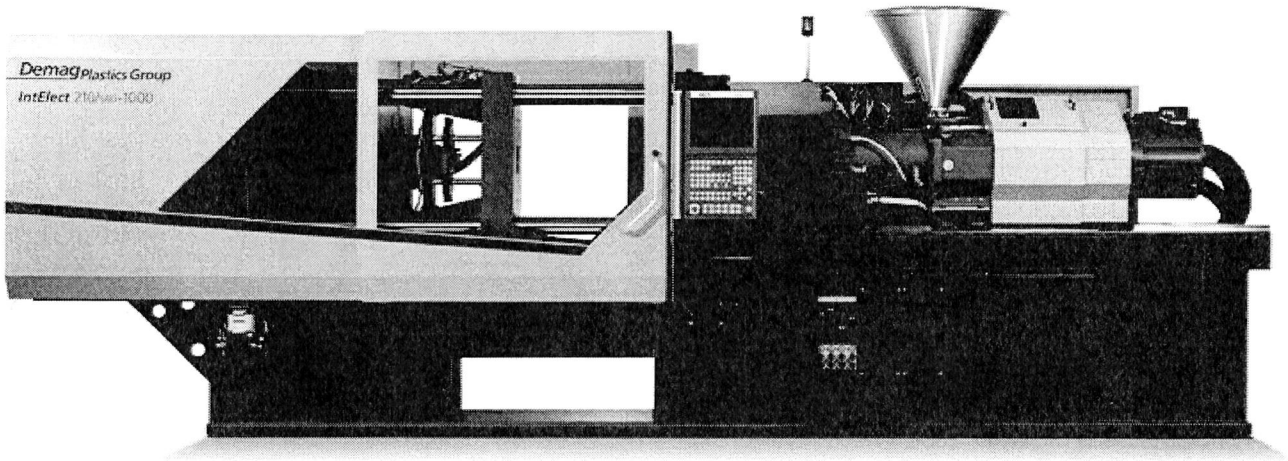
Documentation

IntElect 100/520-340 smart

Order Number: 66452000

Machine No.: 72600341



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1 Technical data

1.1 Data sheet

1.1.1 Data sheet IntElect $100/_{520}$ Smart

Type designation		IntElect $100/_{520}$-340 Smart
International size code		1000-340
Clamping unit		$100/_{520}$
Clamping force	kN	1000
Locking force	kN	1100
Max. mould opening stroke	mm	380
Min. mould mounting height	mm	200
Max. mould mounting height	mm	430 (530 [1] with WA)
Max. clearance between platens	mm	810 (910 [1] with WA)
Overall size of platens h x v	mm	690 x 620
Clearance distance between tie bars h x v	mm	520 x 470
Max. mould weight	kg	780 (1100 [2])
of which mould weight on the moving platen	kg	500 (750 [2])
Ejector		
Ejector Stroke	mm	110
Ejection force	kN	35
Ejector retraction force	kN	35

1) WA211 mould height increased

2) Higher mould weight on request

Injection unit		340		
Plasticisation barrel		**A**	**B**	**C**
Screw diameter	mm	30	35	40
L / D ratio		20	20	20
Specific injection pressure (up to 400°C)	bar	2800 [1]	2180	1670
Stroke volume	cm^3	114	156	203
Shot weight in (PS)	g	102	139	181
Max. screw-back stroke	mm	162		
Max. distance of nozzle retraction	mm	350		
Nozzle dipping depth (SVO)	mm	20		
Nozzle sealing force	kN	30		
Installed barrel heating	kW	8.3	9.4	11.1
Material hopper capacity	Ltr.	35		
Overall machine		**IntElect $100/_{520}$-340 Smart**		
Number of dry cycles according to EUROMAP 6	s-mm	1.3-364		
Net weight [2]	kg	5400		
Machine dimensions L x W x H	m	see installation plan in chapter 2.4		
Continuous sound pressure level	dB (AS)	62.8 [3]		

1) With temperature settings above 400°C, the injection pressure is automatically reduced by the control system.
2) Standard machine weight Deviations depending on the equipment are possible.
3) Operator side measured to DIN EN 201 Annex D, see "Safety" chapter

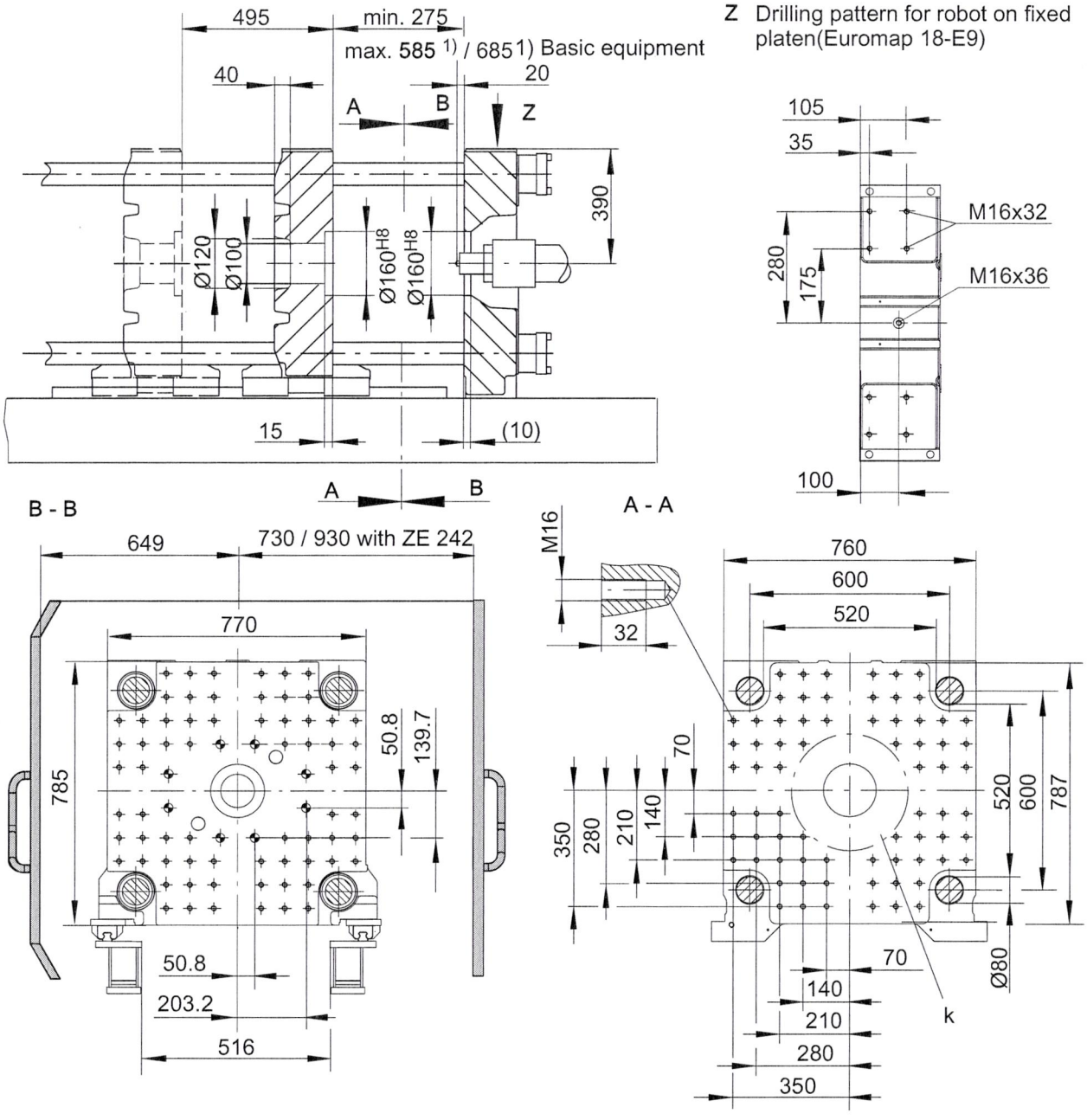
Maximum injection pressure and maximum injection speed only available separately.
Maximum injection pressure and maximum holding pressure are calculated values, drive parameters that are provided, but not melt pressures.

Maximum injection pressure and maximum holding pressure are values that cannot be provided continuously.
The injection flow is a value based on the standard plasticizing unit.
The plasticizing flow depends on the process and material parameters.
We reserve the right to make changes of a technical nature without specifying any changes in output.
The calculated parameters are based on a mains voltage of 400V; a deviating mains voltage will influence the machine parameters.
Extension of injection motor, standard, with nozzle sealing / with maximum travel path of the injection unit.
Extension of injection motor, high speed, with nozzle sealing / with maximum travel path of the injection unit.
The maximum travel path of the injection unit is only valid for open nozzle (WA 650); nozzle lift is shorter in the case of shut-off or extended nozzles.

1.2 Mould mounting dimensions

1.2.1 Mould mounting dimensions IntElect 160/520

Mould mounting dimensions IntElect 160/520 Model: Euromap



⌖ Bore diameter 27 throughout

k = smallest permissible mould diameter 300