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Scheda Tecnica



Codice: In 7994 AR 040 00

Marca: ARBURG

Modello: 270 C 400-100

Anno: 2000

Tonnellaggio: 40

Passaggio Colonne: 270x270

Diametro della Vite: 20

Volume d'iniezione calcolato: 31

Spessore Min/Max stampo: 200

Interfaccia Robot Euromap 12: Si

Euromap: 400-100

Corsa piano mobile: 350

Control: selogica

Soffio aria: 1

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1.1 Getting to know your ALLROUNDER

1.1.1 ALLROUNDER 270/320 C technical data

270 C Technical Data				
Machine type		**270 C 300-100**	**270 C 400-100**	**270 C 500-250**
EUROMAP size [1) 4)]		300-100	400-100	500-250
Clamping unit				
Clamping force	max. kN	300	400	500
Closing force	max. kN	35	35	35
Opening force / increased	max. kN	25/130	25/130	25/130
Opening stroke	max. mm	350	350	350
Mould height	min. mm	200	200	200
Clamping platen daylight	max. mm	550	550	550
Tie bar daylight	mm	270x270	270x270	270x270
Mould clamping platens (b x h)	mm	446/446	446/446	446/446
Movable mould half / with support	max. kg	250/400	250/400	250/400
Ejector force	max. kN	30	30	30
Ejector stroke	max. mm	125	125	125
Hydraulics, drive, general				
Hydraulic pump capacity	kW	7,5	11	15
Total connected load	[2)] kW	14,4	17,9	23,1
Colour. plastic coated structure light gray / mint green				
Control cabinet				
Safety standards according to		DIN EN 60204	DIN EN 60204	DIN EN 60204
Single phase socket		1 x 10 A	1 x 10 A	1 x 10 A
Three phase socket		1 x 16 A	1 x 16 A	1 x 16 A
Injection unit				
Screw diameter	mm	20/25/30	20/25/30	30/35/40
Effective screw length	L/D	25/20/16,7	25/20/16,7	23,3/20/17,5
Screw stroke	max. mm	100	100	150
Theoretical stroke volume	max. cm^3	31/49/70	31/49/70	106/144/188
Injected part weight	[3)]max. g/PS	26/41/59	26/41/59	89/121/158
Injection pressure	[4)]max. bar	2500/2240/1550	2500/2240/1550	2470/1820/1390
Injection flow	[4)]max. cm^3/s	56/90/128	56/90/128	112/154/202
Injection flow with accumulator	max. cm^3/s	160/250/362	160/250/362	350/476/622
Back pressure positive / negative	max. bar	350/200	350/200	350/140
Screw circumferential speed	max. m/min.	30/37/45	30/37/45	41/57/66
Screw torque	max. Nm	240/300/350	240/300/350	420/440/440
Nozzle contact force	max. kN	40	55	70
Nozzle retraction stroke	max. mm	180	180	240
Cylinder heating	W	1600+3x900	1600+3x900	1600+3x1300
Nozzle heating	W	600	600	600
Feed hopper capacity	l	50	50	50
Horizontal injection position	max. mm	120	120	120
Machine dimensions and weights				
Oil fill	l	160	160	160
Net weight	kg	1980	1980	2230
Electrical connection (prefused)	[2)] A	50	63	63

1) 1st figure: clamping force (kN)
2nd figure: max. swept volume (cm^3) x max. injection pressure (kbar)
2) Values relate to 400 V/50 Hz. The load is symmetrically distributed in as much as is possible on 3 phases (Observe when extending the machine)
3) calculated with fill factor = 0,8
4) see injection performance diagram

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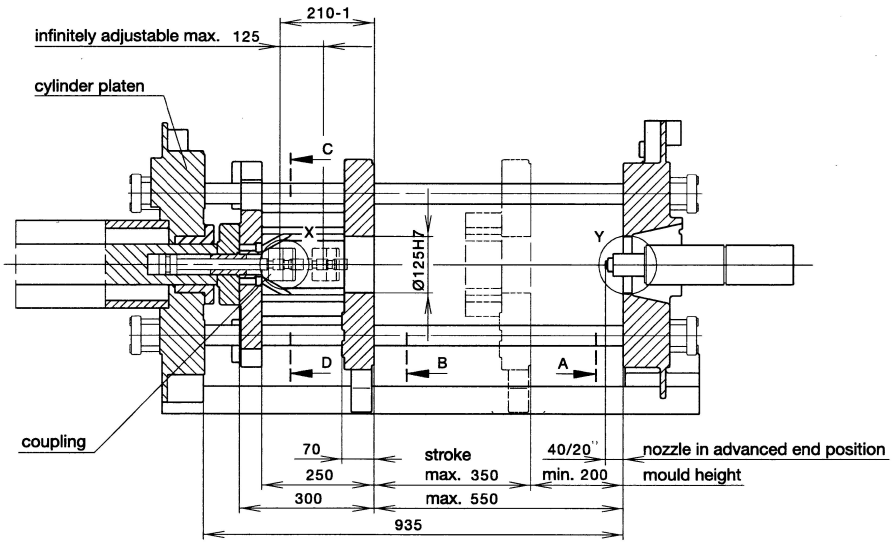
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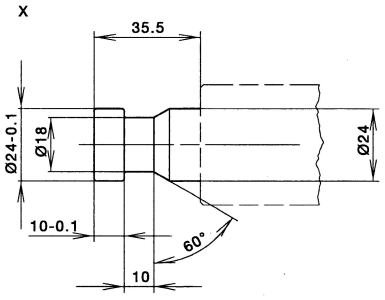
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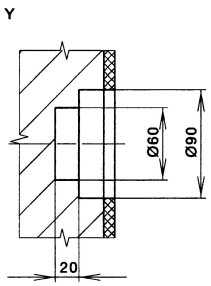
1.1.2 Mould dimensions 270/320 C

270/320 C mould dimensions
part 1

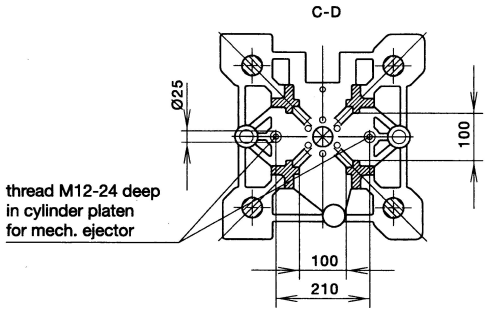




ejector bolt



counter bore in the mould
required only for short sprue



1) dimensions for thermoset moulds,
see separate dimension sheet for parting line unit

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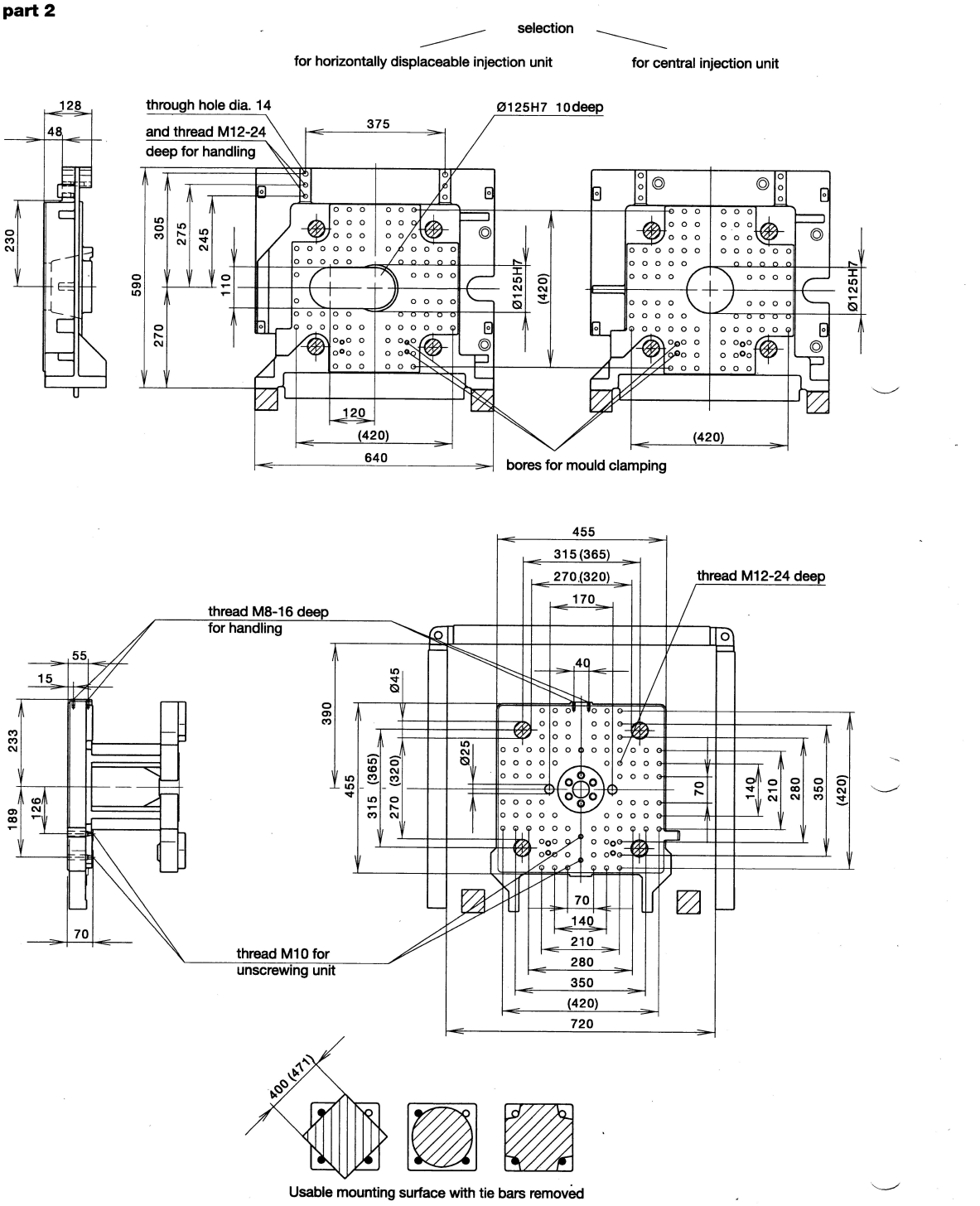
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Mould dimensions 270/320 C

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270/320 C mould dimensions
part 2



() dimensions for 320 C

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