

# **ALLROUNDER 1020 H**

**Clamp-Design**

**"Packaging" (P) version**

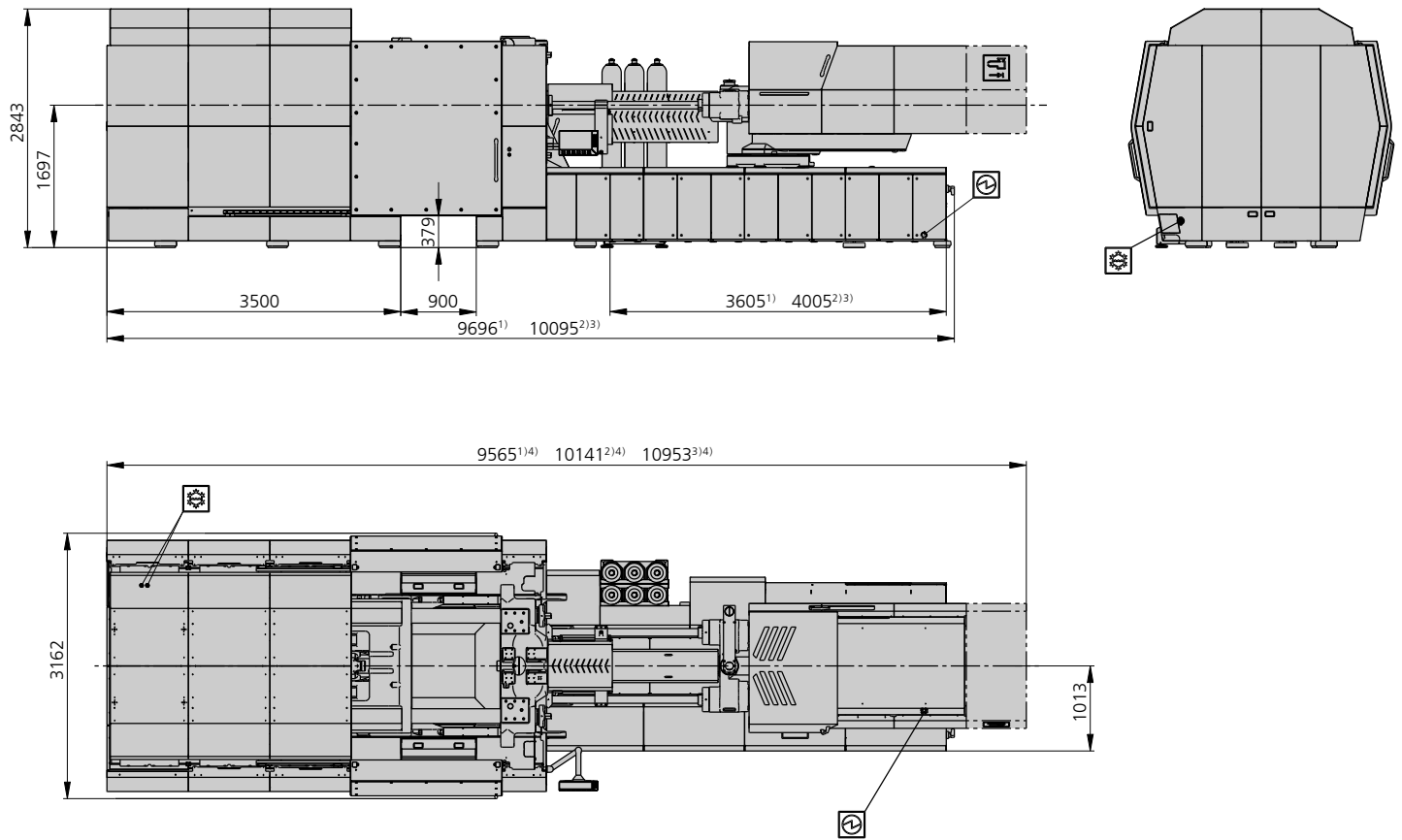
Distance between tie bars: 1020 x 1020 mm

Clamping force: 6000 kN

Injection unit (acc. to EUROMAP): 3200, 4600, 7000

**ARBURG**

# MACHINE DIMENSIONS | 1020 H "PACKAGING" (P)



1) Injection unit 3200  
 2) Injection unit 4600  
 3) Injection unit 7000  
 4) Applies in conjunction with smallest screw

# TECHNICAL DATA | 1020 H "PACKAGING" (P)

Clamping unit			1020 H
with clamping force	max. kN		6000
Opening force   stroke	max. kN   mm		---   1050
Mould height, fixed   variable	min. mm		---   400-1050
Platen daylight fixed   variable	max. mm		---   1450-2100
Distance between tie bars (w x h)	mm		1020 x 1020
Mould mounting platens (w x h)	max. mm		1470 x 1470
Weight of movable mould half	max. kg		5000
Ejector force   stroke	hydraulic max. kN   mm electric max. kN   mm		140   350 140   350
Dry cycle time EUROMAP <sup>2</sup>	min. s - mm		2 - 714

Injection unit		3200		4600		7000	
with screw diameter (barrier)	mm	70	80	80	90	90	100
Effective screw length	L/D	23	25	22.5	25	25.5	23
Screw stroke	max. mm	320		360		450	
Calculated stroke volume	max. cm <sup>3</sup>	1232	1608	1810	2290	2863	3534
Shot weight	max. g PP	897	1171	1317	1667	2084	2573
	max. g HDPE	878	1146	1290	1632	2040	2518
Material throughput	max. kg/h PP	145	205	200	285	310	350
Injection pressure	max. bar	2500	2000	2500	2000	2470	2000
Holding pressure	max. bar	2500	2000	2500	2000	2470	2000
Injection flow	max. cm <sup>3</sup> /s	1924	2513	2513	3181	3181	3927
Screw circumferential speed <sup>2</sup>	high-torque max. m/min	53	60	53	60	54	60
	high-speed max. m/min	75	85	75	85	75	85
Screw torque <sup>2</sup>	max. Nm	3140	3590	4400	3590	6800	7600
Nozzle contact force   retraction stroke	max. kN   mm	110   600		110   600		130   600	
Heating capacity   zones	kW	38,6   8	49,1   9	51,4   9	63,1   9	71.3	12

Drive and connection		3200	4600	7000
with injection unit				
Net weight of machine	kg	50000	51500	56000
Sound press. level   Insecurity <sup>4</sup>	dB(A)	62   3	62   3	62   3
Oil filling	l	420	570	650
Drive power <sup>2</sup>	max. kW	---	---	---
Electrical connection <sup>3</sup>	kW	152   162	203   214	266
	Total A	---	---	---
	Machine A	225	355	355
	Heating A	63   80	80   100	125
Cooling water connection	max. °C	30	30	30
	min. Δp bar	1.5   DN 25	1.5   DN 25	1.5   DN 25

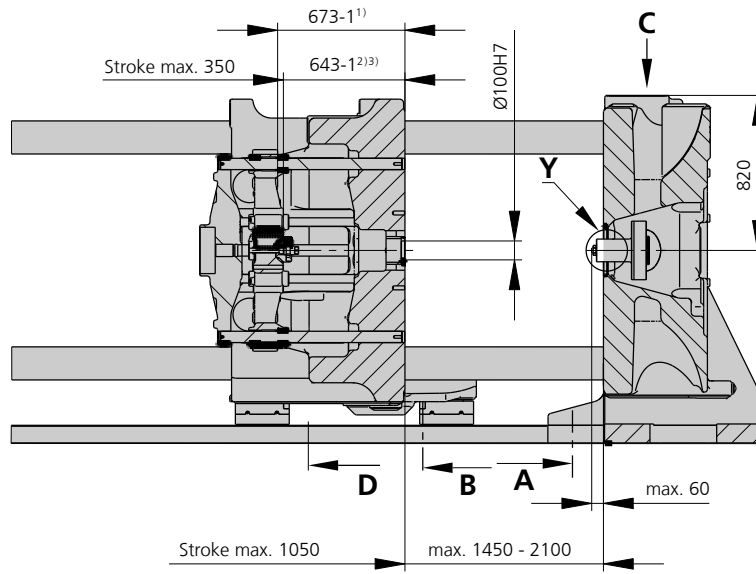
**Machine type**  
with EUROMAP size designation <sup>1</sup>  
1020 H 6000-3200 | 4600 | 7000

**Upon request: other machine types and mould installation heights, screws, drive powers etc.**

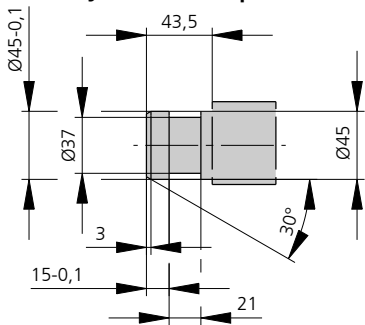
All specifications relate to the basic machine version. Deviations are possible depending on variants, process settings and material type. Depending on the drive, certain combinations, e.g. max. injection pressure and max. injection flow may be mutually exclusive.

- 1) Clamping force (kN) - size of injection unit = max. stroke volume (cm<sup>3</sup>) x max. injection pressure (kbar)
  - 2) Specifications depend on the drive variant / drive configuration.
  - 3) Specifications relate to 400 V/50 Hz.
  - 4) Detailed info in the operating instr.
- [ ] Specifications apply to alternative equipment.

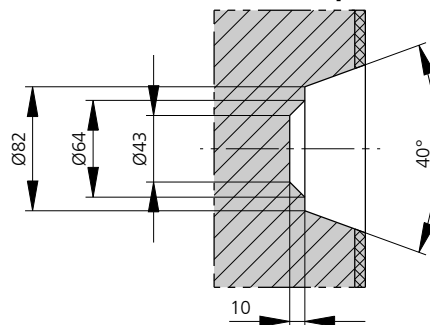
# MOULD INSTALLATION DIMENSIONS | 1020 H "PACKAGING" (P)



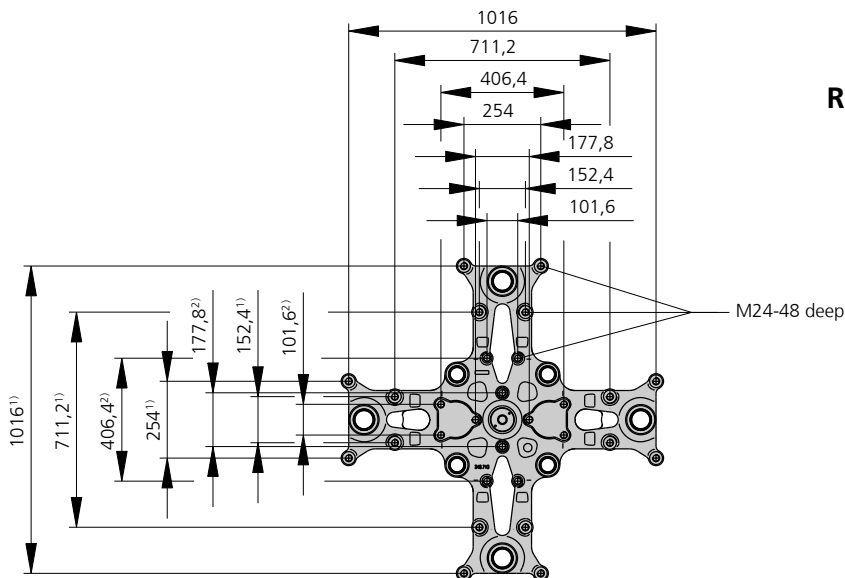
**Ejector bolt | X**



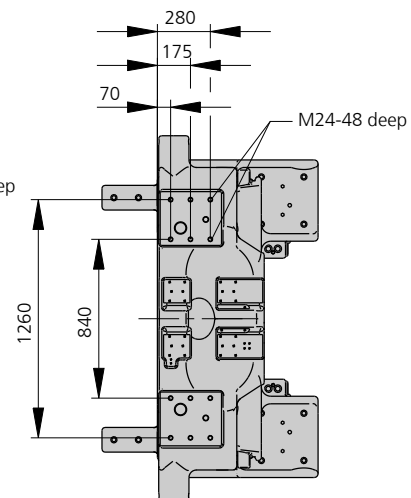
**Bore in mould (if required) | Y**



**Ejector plate | D**



**Robotic system mounting | C**



1)-2) Positions of ejector plate  
3) also for central ejectors



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