

ALLROUNDER 2000 T

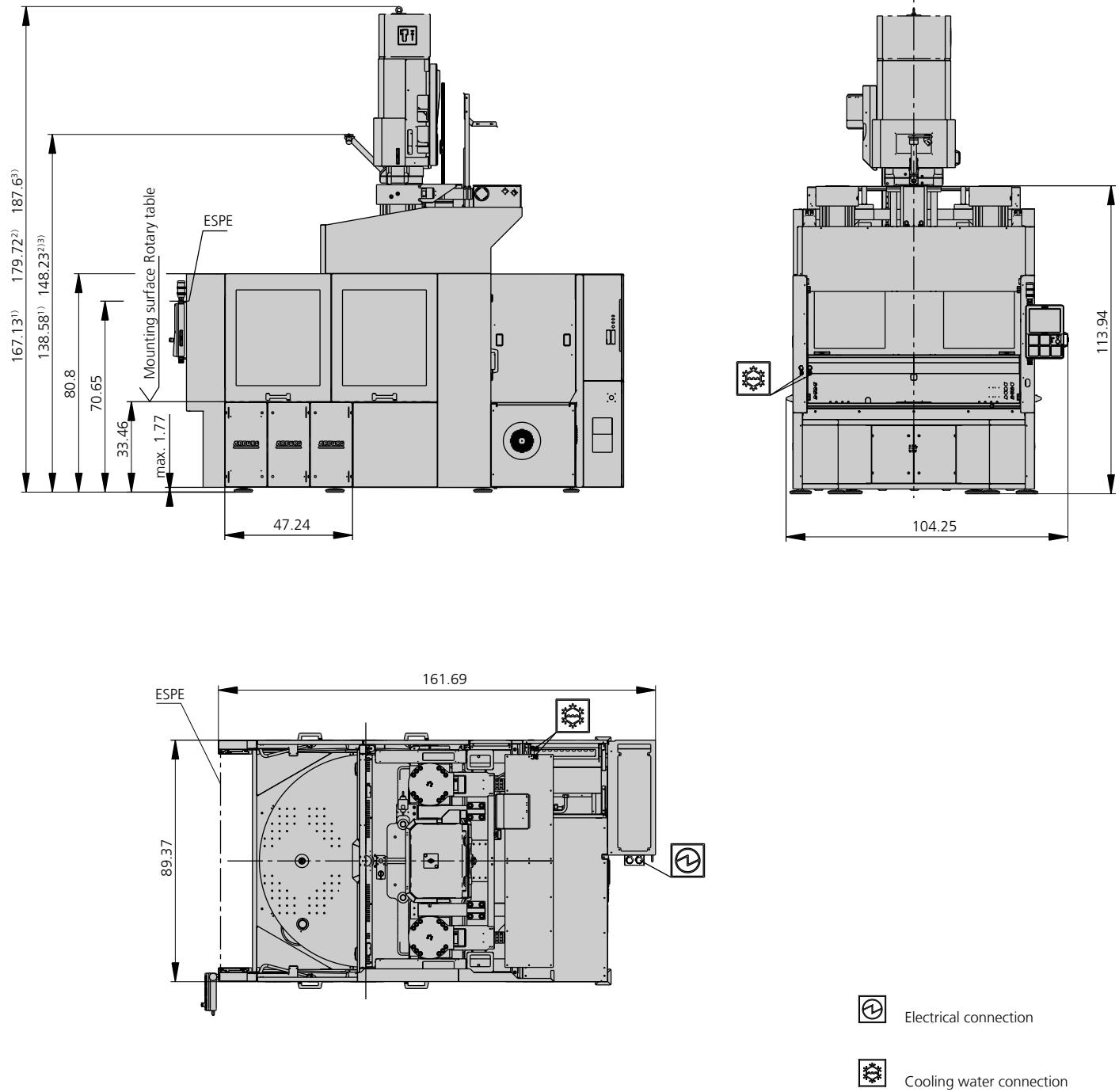
Table diameter: 78.74" (2000 mm)

Clamping force: 220 tons

Injection unit: 8.2 oz, 15.3 oz

ARBURG

MACHINE DIMENSIONS | 2000 T



1) Injection unit 8.2 oz
 2) Injection unit 15.3 oz
 3) Injection unit 15.3 oz AED
 ESPE electro-sensitive protective equipment (light curtain)

TECHNICAL DATA | 2000 T

Clamping unit		2000 T					
with clamping force	max. tons	220					
Opening force stroke	max. tons inch	12.65 19.69					
Mold height, fixed variable	min. inch	15.75 ---					
Platen daylight fixed variable	max. inch	35.43 ---					
Table diameter	inch	78.74					
Angle of rotation, left/right		180°					
Rotation time for 180°	min. s	4.6					
Weight on rotary table	max. lbs	8800					
Weight of movable mold half	max. lbs	4400					
Ejector force stroke	max. tons inch	4.95 6.89					
Dry cycle time EUROMAP ²	2 pumps	min. s - inch	---				
	Accum.	min. s - inch	---				

Injection unit		8.2 oz			15.3 oz			
with screw diameter	mm	35	40	45	45	50	55	
Effective screw length	L/D	23	20	18	22	20	18	
Screw stroke	max. inch	6.30			7.87			
Calculated stroke volume	max. cu. inch	9.4	12.3	15.5	19.4	23.9	28.9	
Shot weight	max. oz / PS	5.0	6.5	8.2	10.3	12.7	15.3	
Material throughput	max. lbs/h PS	55.0	63.8	77.0	101.2	116.6	129.8	
	max. lbs/h PA6.6	27.5	33.0	38.5	50.6	59.4	66.0	
Injection pressure	max. psi	36250	29000	22910	35815	29000	23925	
Holding pressure	max. psi	36250	29000	22910	35815	29000	23925	
Injection flow ²	2 pumps	max. cu. inch/s	7.8	10.2	12.9	10.6	13.1	15.9
	Accum.	max. cu. inch/s	30.0	39.2	49.7	32.3	40.0	48.3
Screw circumferential speed ²	2 pumps	max. ft/min	154	174	197	177	197	217
	Accum.	max. ft/min	52	62	69	49	56	62
Screw torque	max. ft/lbs	354	406	450	650			
Nozzle contact force retraction stroke	max. tons inch	6.60 15.75			7.70 15.75			
Heating capacity zones	kW	9.40 5			19.90 8			
Feed hopper	lbs	80			---			

Drive and connection		2 pumps		Accum.		
with injection unit		8.2 oz	15.3 oz	8.2 oz	15.3 oz	
Net weight of machine	lbs	21500		---		
Sound press. level Ref. only ⁴	dB(A)	65 3		65 3		
Oil filling	gal.	84.54		84.54		
Drive power ²	max. kW	22	30	---		
Electrical connection ³	kW	36	55	---		
Total	A	120 ---	160 ---	---		
Machine	A	--- 50	--- 60	---		
Heat	A	30 ---	60 ---	---		
Cooling water connection	max. °F	86		86		
	min. Δp psi	22 1"		22 1"		

Machine type
with EUROMAP size designation ¹

2000 T 220 tons 8.2 oz | 15.3 oz

Upon request: other machine types and mold 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 (tons) - Size of injection unit = max. stroke volume (cu. inch) x max. injection pressure (psi)

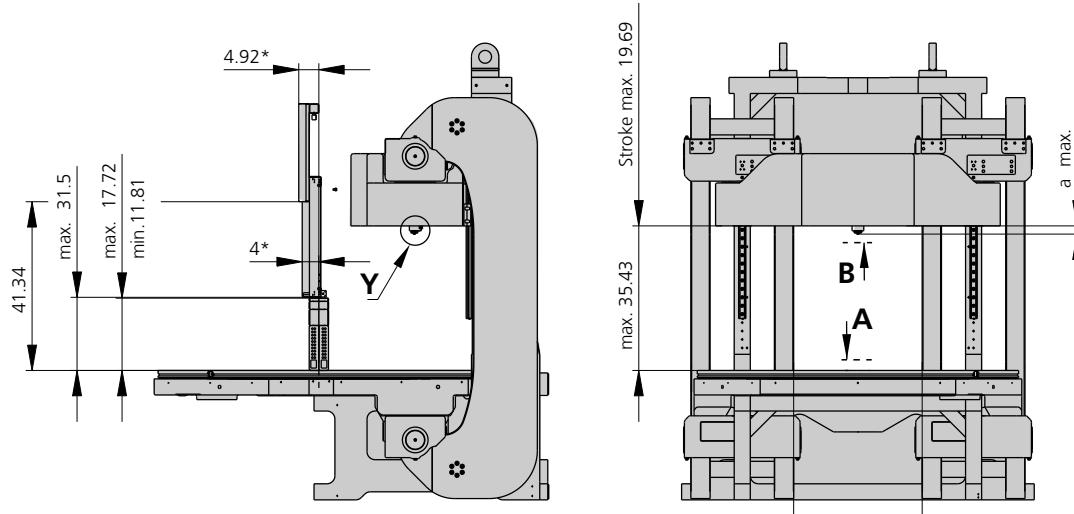
2) Specifications depend on the drive variant / drive configuration.

3) Specifications relate to 230V/60 cycles | 460V/60 cycles.

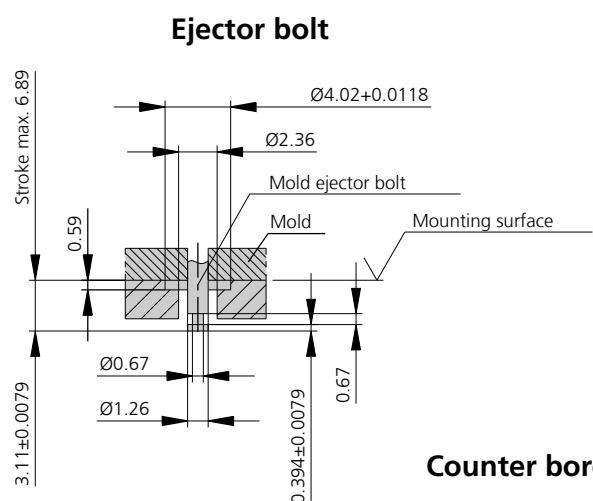
4) Detailed info in the operating instr.

[] Specifications apply to alternative equipment.

MOLD INSTALLATION DIMENSIONS | 2000 T



*dimensions from table center
(projecting edge protection + sliding guard)

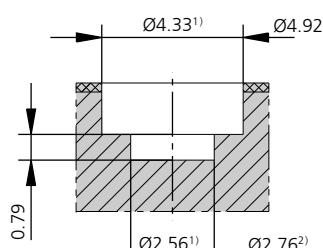
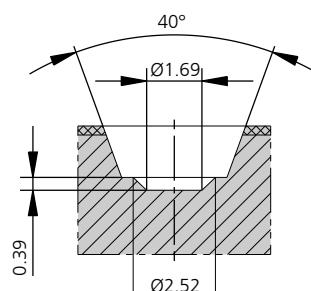


a max.	Injection unit
	8.2 oz / 15.3 oz
Standard	1.97
Thermoset	1.97

Counter bore in the mold (if required) | Y

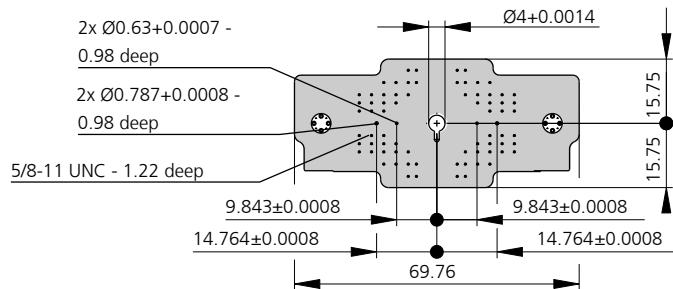
injection unit 8.2 oz/ 15.3 oz

injection unit 8.2 oz ¹⁾/ 15.3 oz ²⁾
in thermoset execution

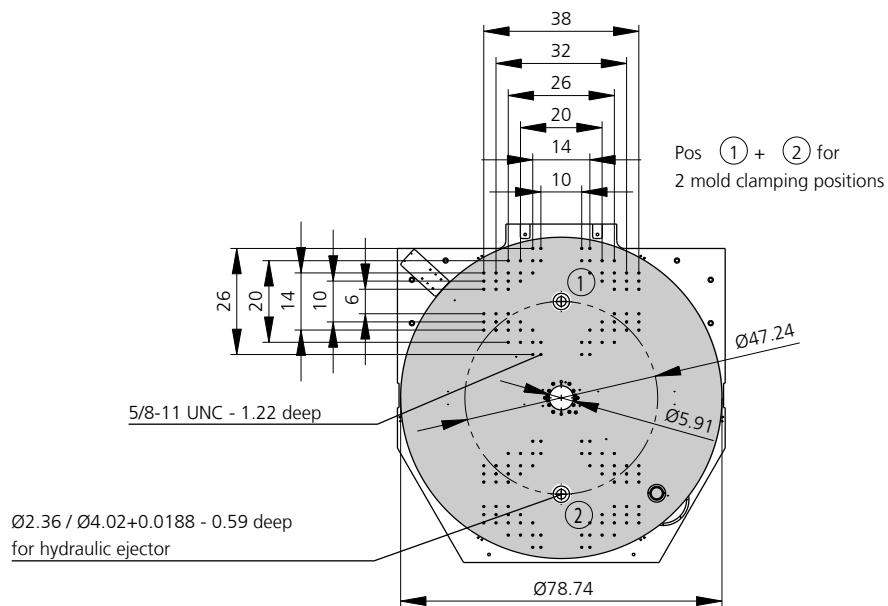


MOLD INSTALLATION DIMENSIONS | 2000 T

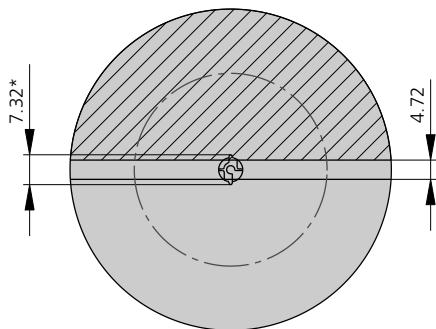
Moving mold mounting platen | B



Rotary table Ø2000 | A

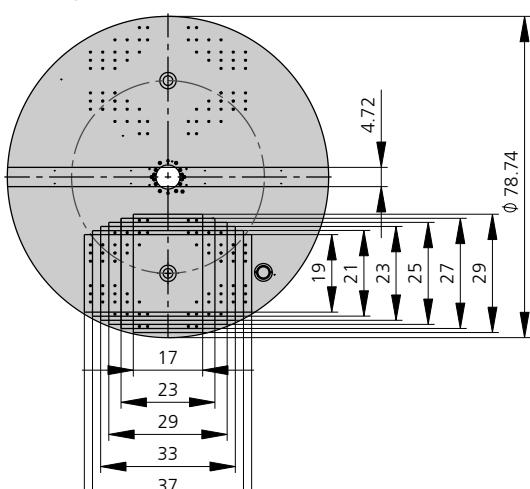


usable mounting surface



*Optional temperature control unit

Mold grid size for 2-station mold



SHOT WEIGHTS | 2000 T

Theoretical shot weights for the most important materials

Injection units	inch	8.2 oz			15.3 oz			
		1.38	1.57	1.77	1.77	1.97	2.17	
Screw diameter	mm	35	40	45	45	50	55	
Polystyrene	max. oz PS	5.0	6.5	8.2	10.3	12.7	15.3	
Styrene heteropolymerizes	max. oz SB	4.8	6.3	8.0	10.0	12.3	15.0	
	max. oz SAN, ABS ¹⁾	4.8	6.2	7.9	9.8	12.1	14.7	
Cellulose acetate	max. oz CA ¹⁾	5.6	7.3	9.2	11.5	14.3	17.2	
Celluloseacetobutyrate	max. oz CAB ¹⁾	5.2	6.8	8.6	10.7	13.2	16.0	
Polymethyl methacrylate	max. oz PMMA	5.1	6.7	8.5	10.6	13.1	15.8	
Polyphenylene oxide, mod.	max. oz PPO	4.6	6.0	7.6	9.5	11.7	14.2	
Polycarbonate	max. oz PC	5.2	6.8	8.6	10.8	13.3	16.1	
Polysulphone	max. oz PSU	5.4	7.0	8.9	11.1	13.8	16.6	
Polyamides	max. oz PA 6.6 PA 6 ¹⁾	4.9	6.5	8.2	10.2	12.6	15.2	
	max. oz PA 6.10 PA 11 ¹⁾	4.6	6.0	7.6	9.5	11.7	14.2	
Polyoximethylene (Polyacetal)	max. oz POM	6.1	8.0	10.1	12.7	15.6	18.9	
Polyethylene terephthalate	max. oz PET	5.9	7.7	9.8	12.2	15.1	18.2	
Polyethylene	max. oz PE-LD	3.7	4.9	6.2	7.7	9.6	11.6	
	max. oz PE-HD	3.9	5.0	6.4	8.0	9.9	12.0	
Polypropylene	max. oz PP	4.0	5.2	6.5	8.2	10.1	12.2	
Fluoropolymerides	max. oz FEP, PFA, PCTFE ¹⁾	7.9	10.4	13.1	16.4	20.2	24.5	
	max. oz ETFE	6.9	9.0	11.4	14.3	17.7	21.4	
Polyvinyl chloride	max. oz PVC-U	6.0	7.8	9.9	12.4	15.3	18.5	
	max. oz PVC-P ¹⁾	5.5	7.2	9.2	11.4	14.1	17.1	

1) average value

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