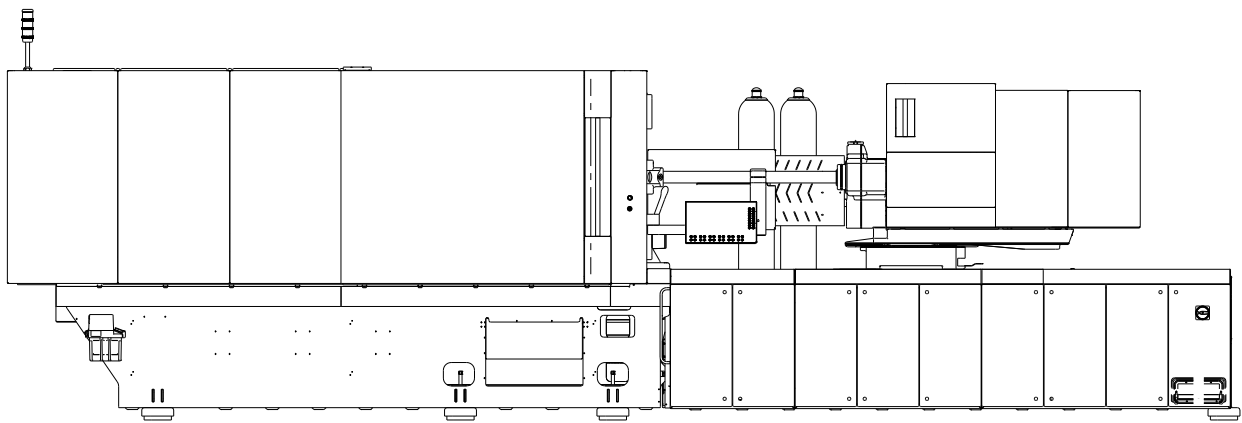




ALLROUNDER 720 H

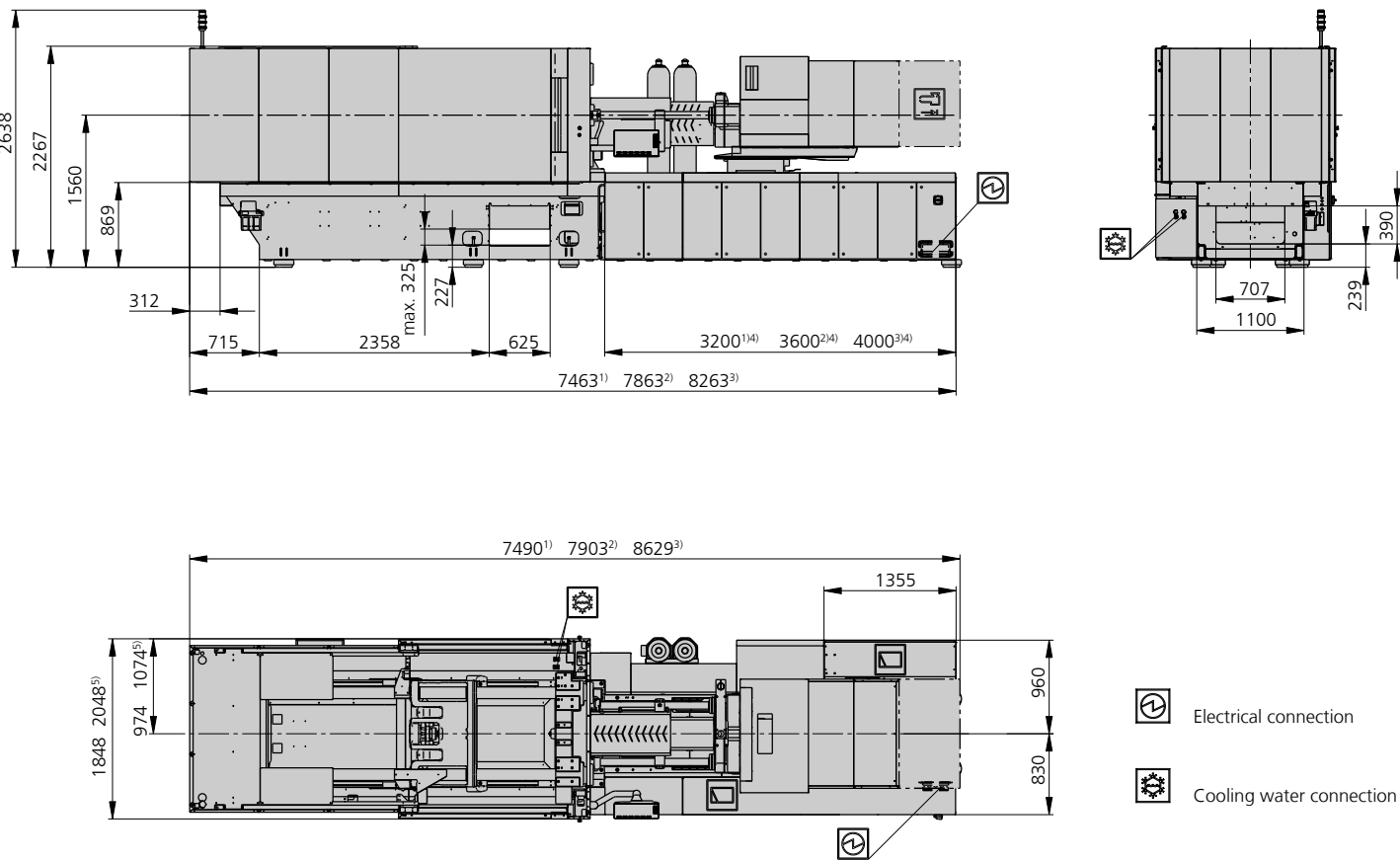
Distance between tie bars: 720 x 720 mm

Clamping force: 3200 kN

Injection unit (according to EUROMAP): 1300, 2100, 3200

ARBURG

MACHINE DIMENSIONS | 720 H



1) Injection unit 1300
2) Injection unit 2100
3) Injection unit 320
4) Depending on the performance and equipment of the injection units/clamping unit
5) Option – extended equipment, protection

TECHNICAL DATA | 720 H

Clamping unit		720 H
with clamping force	max. kN	3200
Opening force stroke	max. kN mm	--- 600
Mould height, fixed variable	min.-max. mm	--- 300-800
Platen daylight fixed variable	max. mm	--- 900-1400
Distance between tie bars (w x h)	mm	720 x 720
Mould mounting platens (w x h)	max. mm	1040 x 1040
Weight of movable mould half	max. kg	2900
Ejector force stroke	max. kN mm	86 250
Dry cycle time EUROMAP ²	min. s - mm	1,5 - 504

Injection unit		1300			2100			3200		
with screw diameter	mm	55	60	70	60	70	80	70	80	90
Effective screw length	L/D	22	20	17	23	20	17,5	23	20	18
Screw stroke	max. mm	240			280			320		
Calculated stroke volume	max. cm ³	570	678	923	792	1078	1407	1232	1608	2036
Shot weight	max. g PS	521	620	844	723	984	1286	1125	1469	1860
Material throughput	max. kg/h PS	86	96	115	125	145	175	185	215	250
	max. kg/h PA6.6	43	48	58	62	74	88	93	110	125
Injection pressure	max. bar	2380	2000	1470	2500	2000	1530	2500	2000	1580
Holding pressure	max. bar	2380	2000	1470	2500	2000	1530	2500	2000	1580
Injection flow	max. cm ³ /s	713	848	1155	848	1155	1508	1155	1508	1909
Screw circumferential speed ²	max. m/min	55	60	70	51	60	69	53	60	68
Screw torque ²	max. Nm	1510	1640	1920	2140	2500	2850	3140	3590	4040
Nozzle contact force retraction stroke	max. kN mm	90 550			110 600			110 600		
Heating capacity zones	kW	22,9 8			31,2 8			38,4 8		

Drive and connection							
with injection unit					1300	2100	3200
Net weight of machine	kg				18550	19550	20550
Sound press. level Insecurity ⁴	dB(A)				65 3		
Oil filling	l				410	410	530
Drive power ²	max. kW				---		
Electrical connection ³	kW				84	114	145
	Total				---		
	Machine				125	160	200
	Heating				40	50	63
Cooling water connection	max. °C				30		
	min. Δp bar				1,5 DN 25		

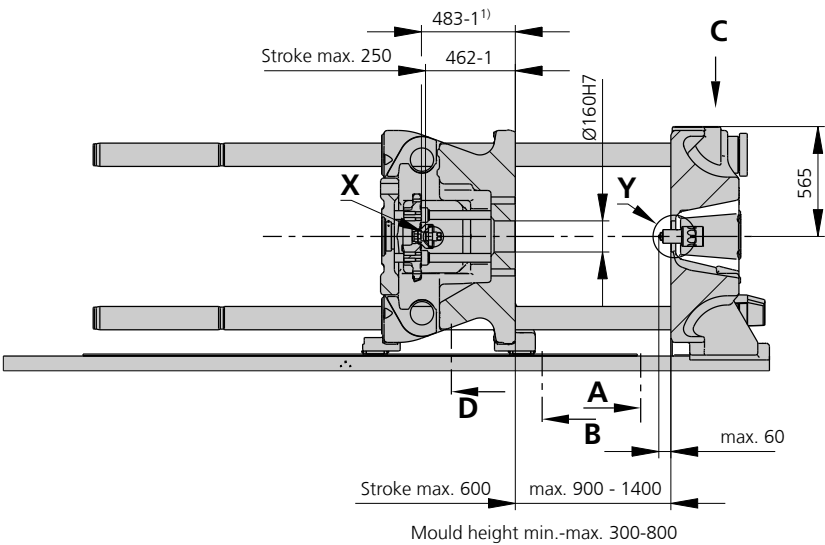
Machine type	
with EUROMAP size designation ¹	
720 H 3200-1300 2100 3200	

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

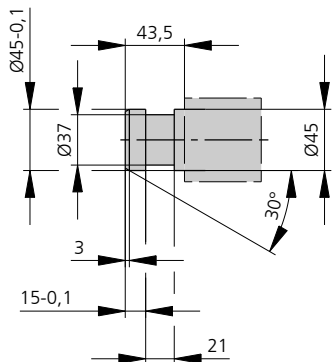
All specifications relate to the basic machine version. Deviations are possible depending on variants, process settings and material type. Depending on the drive, certain combinations, e.g. max. injection pressure and max. injection flow may be mutually exclusive.

- 1) Clamping force (kN) - size of injection unit = max. stroke volume (cm³) 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.

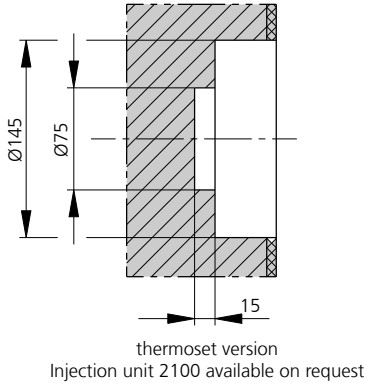
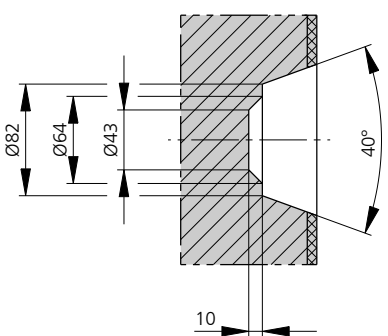
MOULD INSTALLATION DIMENSIONS | 720 H



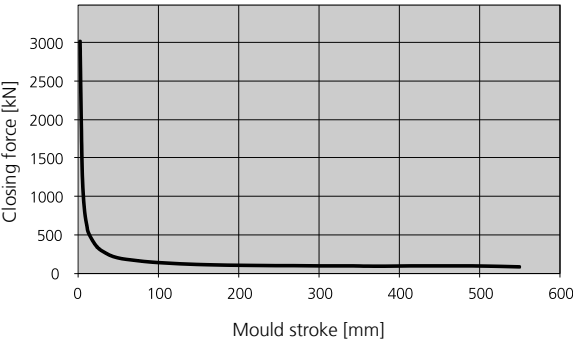
Ejector bolt | X



Bore in mould (if required) | Y



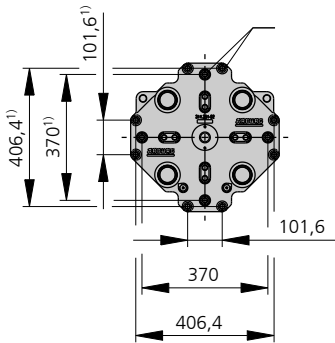
Closing force for spring moulds / during injection compression moulding*



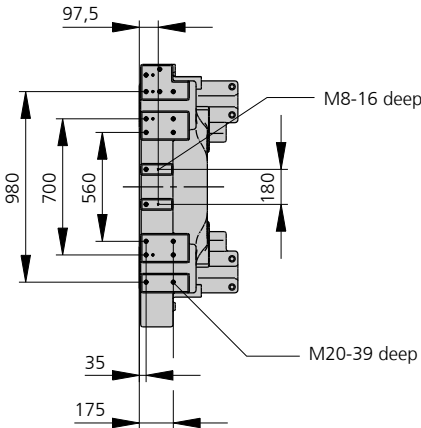
* automatic locking force adjustment up to 25 kN

1) Positions of ejector plate

Ejector plate | D

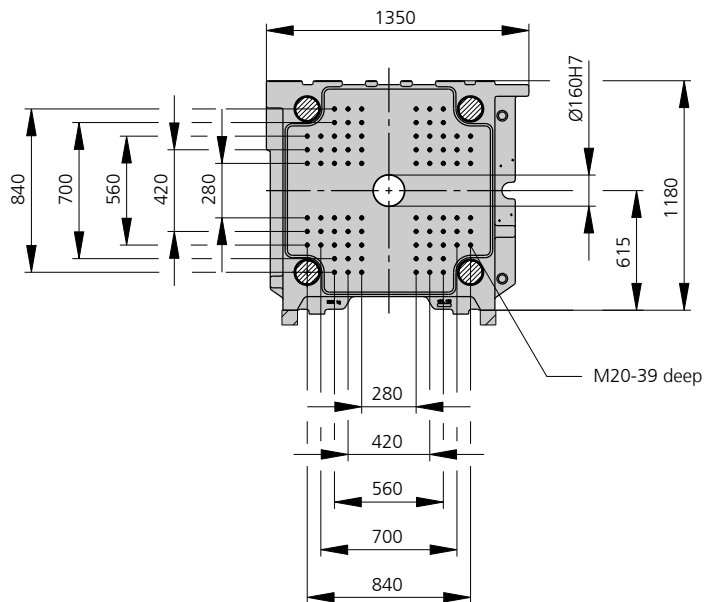


Robotic system mounting | C

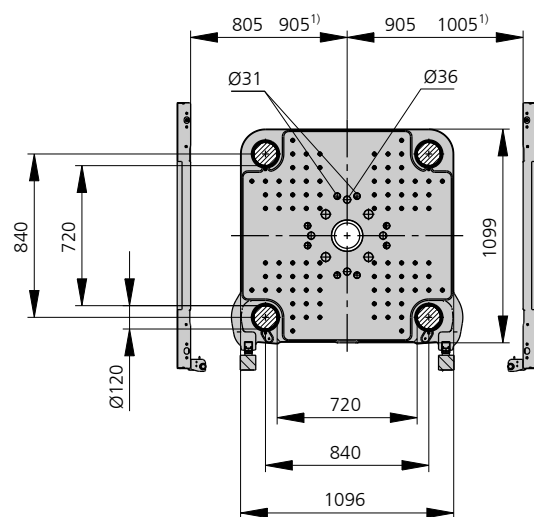


MOULD INSTALLATION DIMENSIONS | 720 H

Fixed mould mounting platen | A



Moving mould mounting platen | B



1) Option – extended equipment, protection

SHOT WEIGHTS | 720 H

Theoretical shot weights for the most important injection moulding materials

Injection units according to EUROMAP		1300			2100			3200		
Screw diameter	mm	55	60	70	60	70	80	70	80	90
Polystyrene	max. g PS	521	620	844	723	984	1286	1125	1469	1860
Styrene heteropolymerizates	max. g SB	509	606	824	707	962	1256	1099	1436	1817
	max. g SAN, ABS ¹⁾	499	594	808	693	943	1231	1077	1407	1781
Cellulose acetate	max. g CA ¹⁾	586	698	949	814	1108	1447	1266	1654	2093
Celluloseacetobutyrate	max. g CAB ¹⁾	545	649	883	757	1030	1346	1177	1538	1946
Polymethyl methacrylate	max. g PMMA	538	641	872	747	1017	1329	1163	1518	1922
Polyphenylene ether, mod.	max. g PPE	484	575	783	671	914	1194	1044	1364	1726
Polycarbonate	max. g PC	547	651	887	760	1034	1351	1182	1544	1954
Polysulphone	max. g PSU	566	673	916	785	1069	1396	1222	1596	2019
Polyamides	max. g PA 6.6 PA 6 ¹⁾	517	616	838	719	978	1278	1118	1461	1848
	max. g PA 6.10 PA 11 ¹⁾	473	575	783	671	914	1194	1044	1364	1726
Polyoximethylene (Polyacetal)	max. g POM	643	765	1042	893	1215	1588	1389	1814	2296
Polyethylene terephthalate	max. g PET	620	738	1005	861	1172	1531	1340	1750	2215
Polyethylene	max. g PE-LD	393	468	637	546	744	971	850	1110	1405
	max. g PE-HD	406	483	658	564	768	1003	877	1146	1450
Polypropylene	max. g PP	415	494	672	576	784	1025	897	1171	1482
Fluoropolymerides	max. g FEP, PFA, PCTFE ¹⁾	834	992	1350	1157	1575	2058	1800	2352	2976
	max. g ETFE	731	870	1185	1015	1382	1805	1579	2063	2611
Polyvinyl chloride	max. g PVC-U	629	749	1020	874	1190	1554	1360	1776	2247
	max. g PVC-P ¹⁾	582	692	942	808	1099	1436	1256	1641	2076

1) average value

ARBURG GmbH + Co KG
Arthur-Hehl-Strasse
72290 Lössburg
Tel.: +49 7446 33-0
www.arburg.com
contact@arburg.com