

Zhafir **Venus²** Series
Specifications / International
400-3600kN



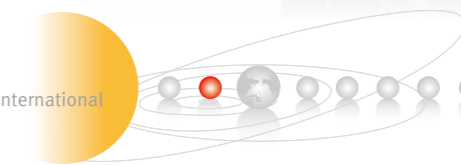
ZHAFIR PLASTICS MACHINERY GmbH

Jubatus-Allee 8-10
92263 Ebermannsdorf
Germany
Tel. +49-9438-9412-0
Fax. +49-9438-9412-150
E-Mail: contact@zhafir.com
www.zhafir.com

NINGBO ZHAFIR PLASTICS MACHINERY CO., LTD

No. 98 Guanhai Road, Chunxiao, Beilun, Ningbo, China 315800
Tel. +86-574-86182986
Fax. +86-574-86182977
E-Mail: contact@mail.zhafir.cn
www.zhafir.cn

ZF-20180703P-IV



Technical data **VE400 II**

CLAMPING UNIT

		VE400 II
Clamping force	kN	400
Toggle stroke	mm	235
Min. mold height	mm	150
Max. mold height	mm	320
Max. mold opening stroke	mm	555
Space between tie bars HxV	mm	320x280
Min. mold dimension	mm	205x180
Ejector stroke	mm	60
Ejector force	kN (tf)	9.8(1.0)
Mold platen dimension HxV	mm	460x440

		A	B	A	B	C
Screw diameter	mm	16	19	19	22	26
Screw L/D ratio	L/D	21	20	20	20	17
Injection volume (theoretical) cm ³		12	17	21	36	50
Injection weight (PS)	g	11	15.5	19.1	32.8	45.5
Screw speed	rpm	400		400		
Plasticizing capacity (PS)	g/s	2.5	3.8	3.8	6.0	8.8
Nozzle contact force	kN (tf)	9.8(1.0)		9.8(1.0)		
Heating power	kW	4.3	4.6	4.4	5.6	5.6

INJECTION UNIT

		50	80
Injection speed	mm/s	200	200
Injection rate (PS)	g/s	36	50
Injection pressure	Mpa	280	260
	bar	2800	2600
Holding pressure	Mpa	234	198
	bar	2340	1980

INJECTION UNIT

		50h	80h
Injection speed	mm/s	350	350
Injection rate (PS)	g/s	64	90
Injection pressure	Mpa	280	260
	bar	2800	2600
Holding pressure	Mpa	234	198
	bar	2340	1980

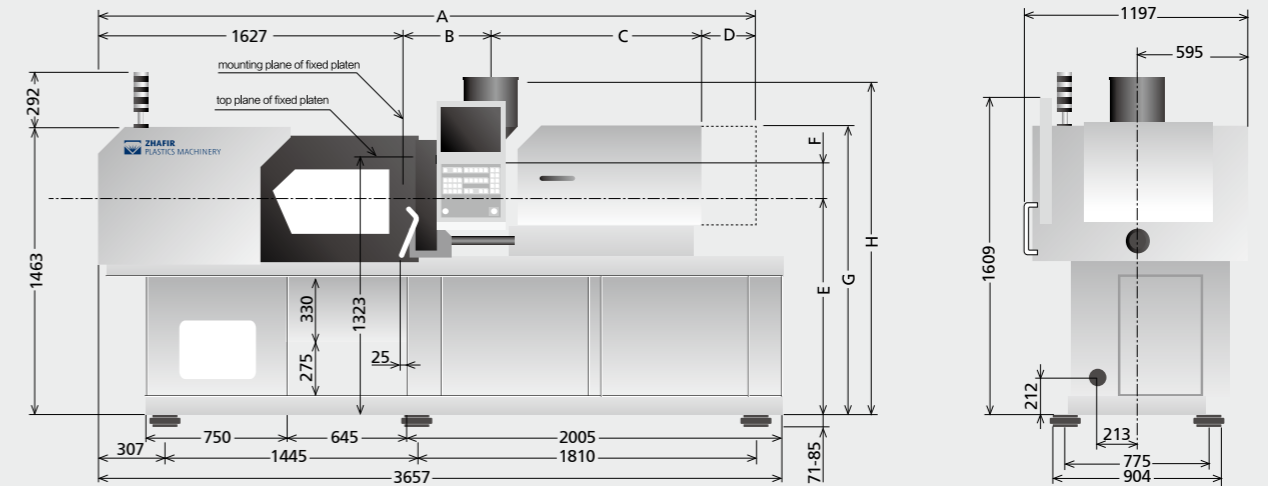
OTHERS

Connection power	kW/A	50:8/13 50h:12/20	80:10/17 80h:15/26
Hopper capacity	l	15	15
Machine dimension	m	3.66x1.2x1.75	3.66x1.2x1.75
Machine weight	t	2.5	2.5

We reserve the right to make changes as a result of further technical advantages.

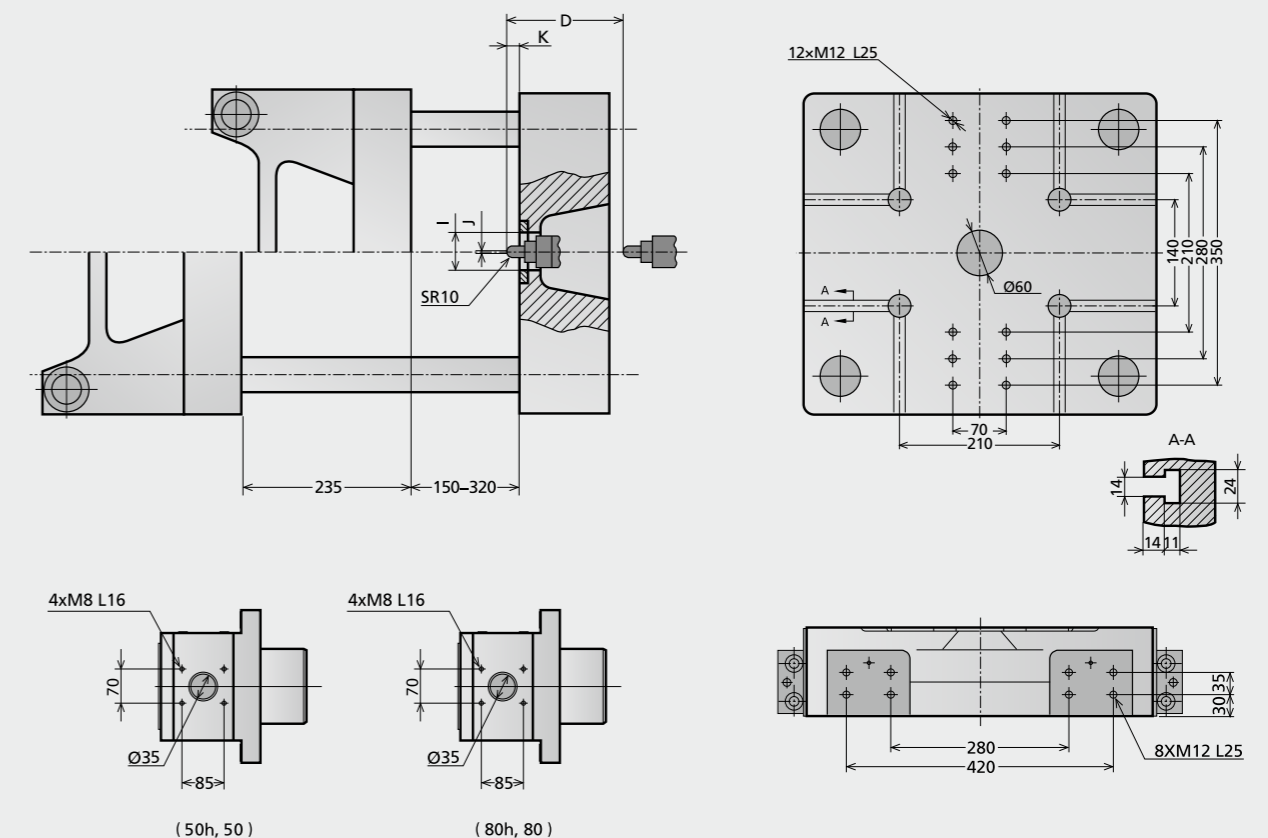
Machine dimensions VE400 II

unit: mm



Platen dimensions VE400 II

unit: mm



	A	B	C	D	E	F	G	H	I	J	K
80h,80	3516	471	1128	290	1112	183	1481	1724	Φ100	Φ2.2	50
50h,50	3420	410	1029	290	1117	183	1481	1724	Φ100	Φ2.2	45

Technical data **VE600 II**

CLAMPING UNIT

		VE600 II
Clamping force	kN	600
Toggle stroke	mm	270
Min. mold height	mm	150
Max. mold height	mm	370
Max. mold opening stroke	mm	640
Space between tie bars HxV	mm	370x320
Min. mold dimension	mm	240x205
Ejector stroke	mm	70
Ejector force	kN (tf)	19.6(2.0)
Mold platen dimension HxV	mm	545x505

		A	B	C	A	B	C
Screw diameter	mm	19	22	26	22	26	30
Screw L/D ratio	L/D	20	20	17	20	20	17.4
Injection volume (theoretical) cm ³		21	36	50	36	58	78
Injection weight (PS)	g	19.1	32.8	45.5	33	52	70
Screw speed	rpm		400			400	
Plasticizing capacity (PS)	g/s	3.8	6.0	8.8	6.0	8.8	13
Nozzle contact force	kN (tf)		14.7(1.5)			14.7(1.5)	
Heating power	kW	4.4	5.6	5.6	6.0	7.8	7.8

INJECTION UNIT

		80	120
Injection speed	mm/s	200	200
Injection rate (PS)	g/s	50	68
		96	128
Injection pressure	Mpa	260	220
	bar	2600	2200
		1570	2800
		2200	2200
		1650	1650
Holding pressure	Mpa	208	175
	bar	2080	1750
		1250	2200
		1600	1200

INJECTION UNIT

		80h	120h
Injection speed	mm/s	350	350
Injection rate (PS)	g/s	90	121
		169	225
Injection pressure	Mpa	260	220
	bar	2600	2200
		1570	2800
		2200	2200
		1650	1650
Holding pressure	Mpa	208	175
	bar	2080	1750
		1250	2200
		1600	1200

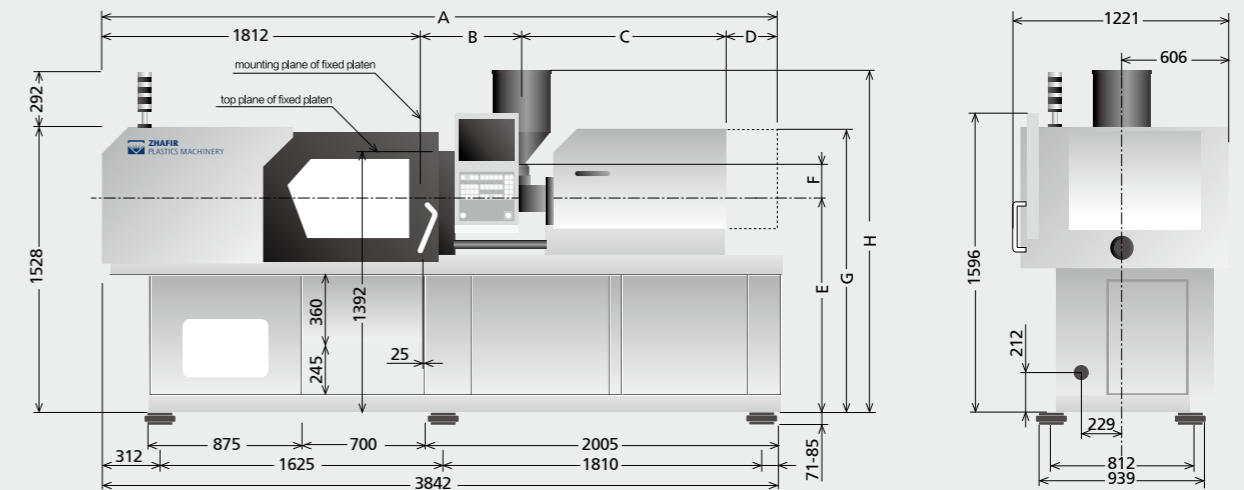
OTHERS

		80:10/17 80h:15/26	120:14/24 120h:21/35
Connection power	kW/A		
Hopper capacity	l	15	15
Machine dimension	m	3.84x1.22x1.8	3.84x1.22x1.8
Machine weight	t	2.8	3

We reserve the right to make changes as a result of further technical advantages.

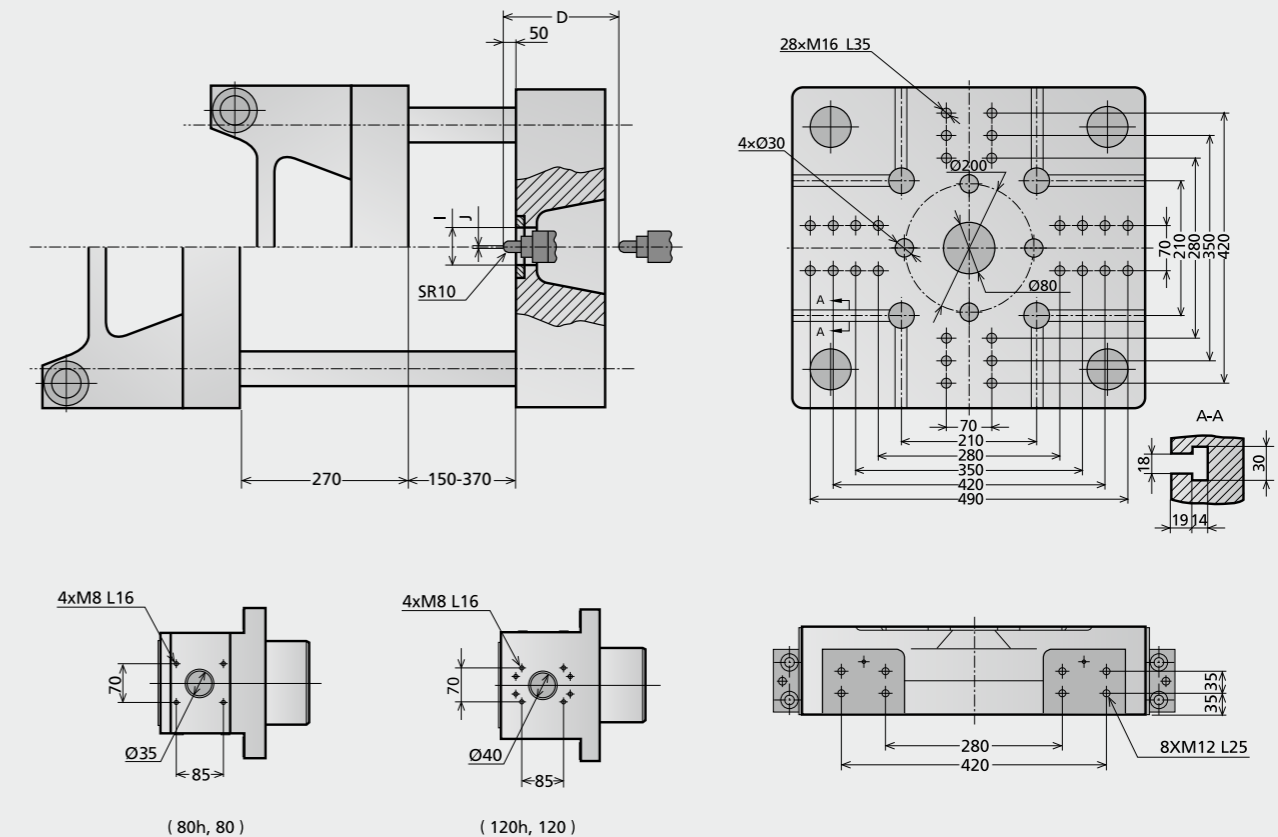
Machine dimensions VE600 II

unit: mm



Platen dimensions VE600 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
120h,120	3834	574	1158	290	1142	182	1510	1829	Ø100	Ø2.5
80h,80	3693	471	1120	290	1142	182	1510	1754	Ø100	Ø2.2

Technical data **VE900 II**

CLAMPING UNIT

		VE900 II
Clamping force	kN	900
Toggle stroke	mm	320
Min. mold height	mm	150
Max. mold height	mm	410
Max. mold opening stroke	mm	730
Space between tie bars HxV	mm	420x370
Min. mold dimension	mm	270x240
Ejector stroke	mm	80
Ejector force	kN (tf)	19.6(2.0)
Mold platen dimension HxV	mm	615x570

	A	B	C	A	B	C	AA	A	B	C	
Screw diameter	22	26	30	26	28	30	26	28	32	36	
Screw L/D ratio	20	20	17.4	21	21	19.6	21	21	21	18.6	
Injection volume (theoretical) cm ³	36	58	78	58	67	78	61	70	100	127	
Injection weight (PS)	33	52	70	52	61	70	55	64	91	116	
Screw speed	400			400			400				
Plasticizing capacity (PS)	6.0	8.8	13	8.8	11	13	8.8	11	16	22	
Nozzle contact force	19.6(2.0)			19.6(2.0)			19.6(2.0)				
Heating power	6.0	7.8	7.8	7.4	7.4	7.4	5.4	7.8	9.2	9.2	
INJECTION UNIT	120			160			210				
Injection speed	200			200			200				
Injection rate (PS)	69	96	128	96	112	128	96	112	146	185	
Injection pressure	Mpa	280	220	165	260	220	192	280	260	200	160
	bar	2800	2200	1650	2600	2200	1920	2800	2600	2000	1600
Holding pressure	Mpa	220	160	120	160	138	120	224	206	160	126
	bar	2200	1600	1200	1600	1380	1200	2240	2060	1600	1260
INJECTION UNIT	120h			160h			210h				
Injection speed	350			350			350				
Injection rate (PS)	121	169	225	169	196	225	169	196	256	324	
Injection pressure	Mpa	280	220	165	260	220	192	280	260	200	160
	bar	2800	2200	1650	2600	2200	1920	2800	2600	2000	1600
Holding pressure	Mpa	220	160	120	160	138	120	224	206	160	126
	bar	2200	1600	1200	1600	1380	1200	2240	2060	1600	1260

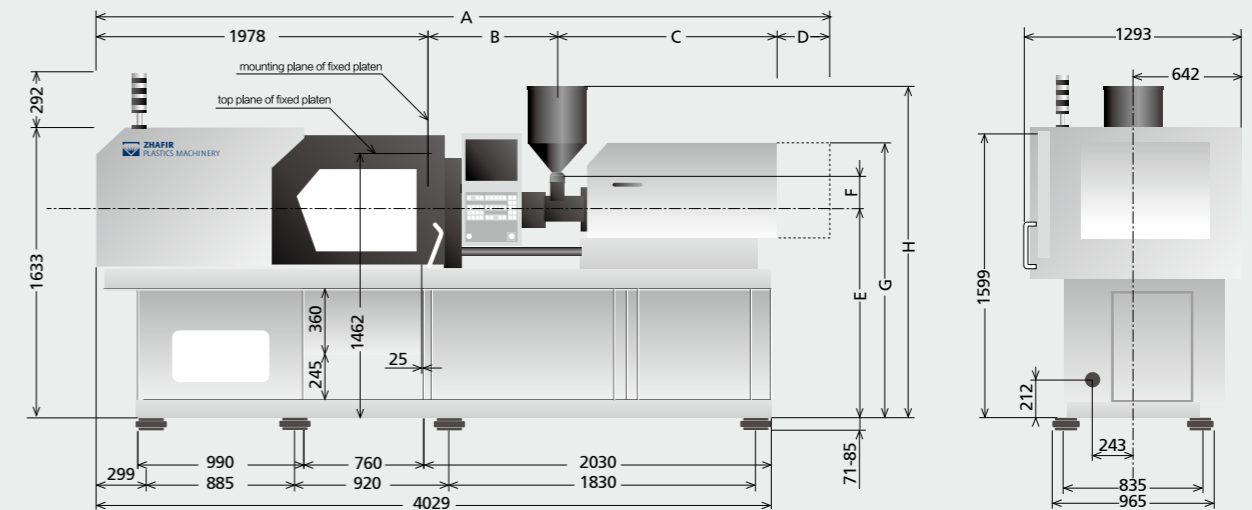
OTHERS

	120:14/24 120h:21/35	160:14/23 160h:21/35	210:17/28 210h:26/43
Connection power	kW/A		
Hopper capacity	l	15	25
Machine dimension	m	4.02x1.29x1.92	4.25x1.29x1.92
Machine weight	t	4	4.1

We reserve the right to make changes as a result of further technical advantages.

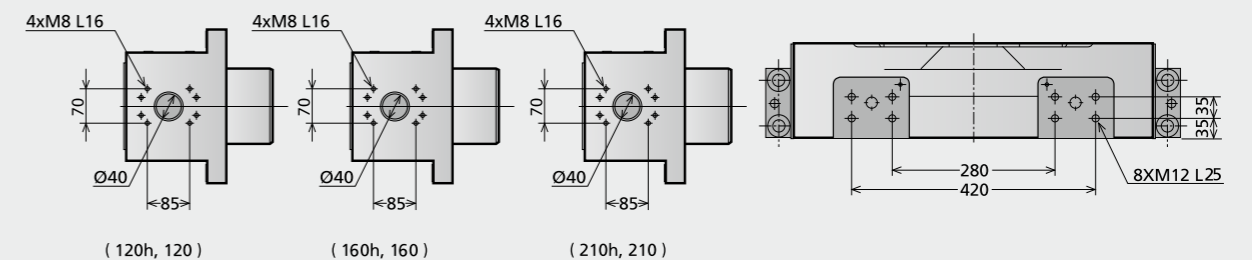
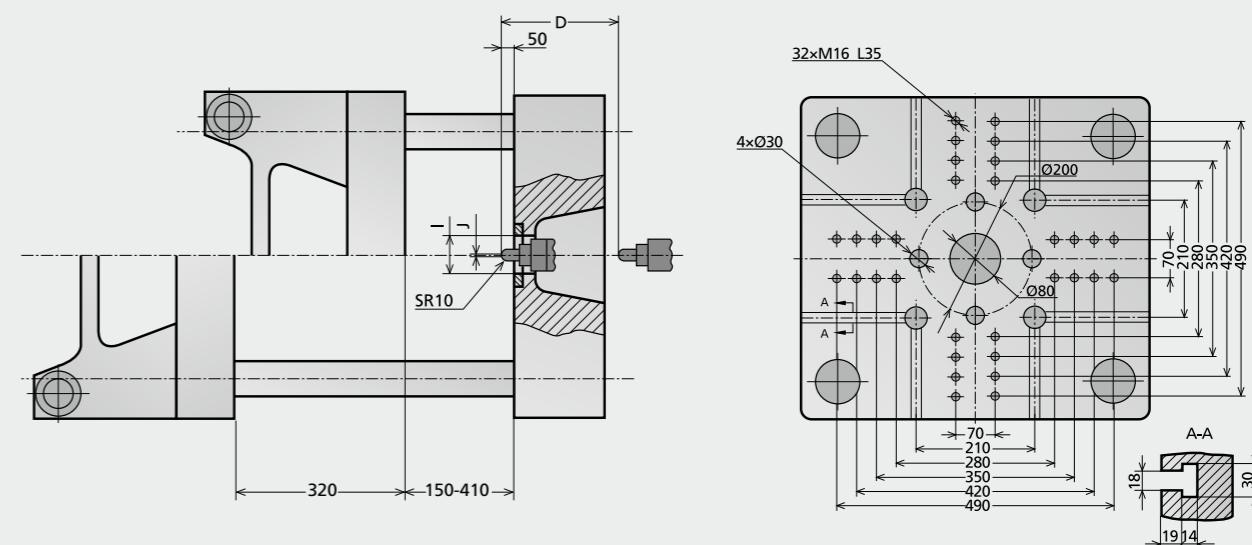
Machine dimensions VE900 II

unit: mm



Platen dimensions VE900 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
210h,210	4296	692	1310	315	1177	182	1547	1864	Ø125	Ø2.5
160h,160	4253	670	1290	315	1177	182	1547	1864	Ø125	Ø2.5
120h,120	4013	574	1159	315	1177	182	1547	1864	Ø125	Ø2.5

Technical data VE1200 II

CLAMPING UNIT

		VE1200 II
Clamping force	kN	1200
Toggle stroke	mm	360
Min. mold height	mm	150
Max. mold height	mm	480
Max. mold opening stroke	mm	840
Space between tie bars HxV	mm	470x420
Min. mold dimension	mm	305x270
Ejector stroke	mm	100
Ejector force	kN (tf)	29.4(3.0)
Mold platen dimension HxV	mm	690x640

	A	B	C	AA	A	B	C	AA	A	B	C	A	B	C	
Screw diameter	26	28	30	26	28	32	36	30	32	36	40	36	40	45	
Screw L/D ratio	21	21	19.6	21	21	21	18.6	21	22.5	20	18	23.3	21	18.7	
Injection volume (theoretical) cm ³	58	67	78	61	70	100	127	102	116	147	182	173	213	270	
Injection weight (PS)	52	61	70	55	64	91	116	92	106	134	166	157	194	246	
Screw speed	400			400			400			400					
Plasticizing capacity (PS)	8.8	11	13	8.8	11	16	22	12.8	16	22	30	22	30	42	
Nozzle contact force	24.5(2.5)			24.5(2.5)			24.5(2.5)			24.5(2.5)					
Heating power	7.4	7.4	7.4	5.4	7.8	9.2	9.2	7.7	11.8	11.8	11.8	13.4			

INJECTION UNIT

	160	210	300	430(OP)
Injection speed	200	200	200	200
Injection rate (PS)	96	112	128	185
Injection pressure	Mpa	260	220	192
	bar	2600	2200	1920
Holding pressure	Mpa	160	138	120
	bar	1600	1380	1200

INJECTION UNIT

	160h	210h	300h	430h(OP)
Injection speed	350	350	300	300
Injection rate (PS)	169	196	225	324
Injection pressure	Mpa	260	220	192
	bar	2600	2200	1920
Holding pressure	Mpa	160	138	120
	bar	1600	1380	1200

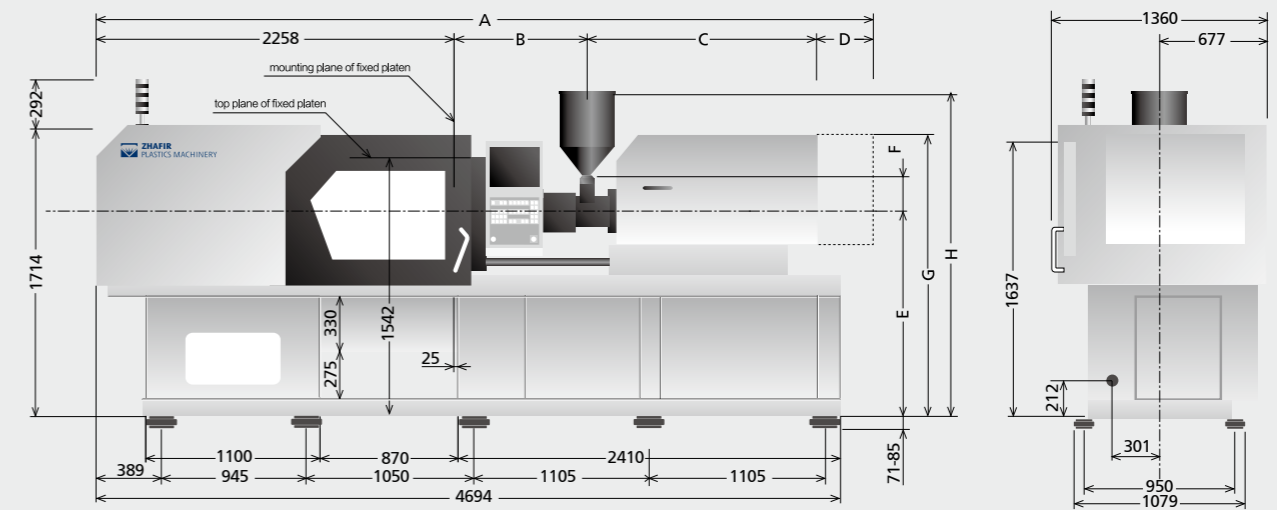
OTHERS

	160:14/23 160h:21/35	210:17/28 210h:26/43	300:22/37 300h:33/55	430:30/50 430h:39/65
Connection power	kW/A			
Hopper capacity	l	15	25	25
Machine dimension	m	4.69x1.36x2.01	4.70x1.36x2.01	4.90x1.36x2.01
Machine weight	t	5	5.1	5.5

We reserve the right to make changes as a result of further technical advantages.

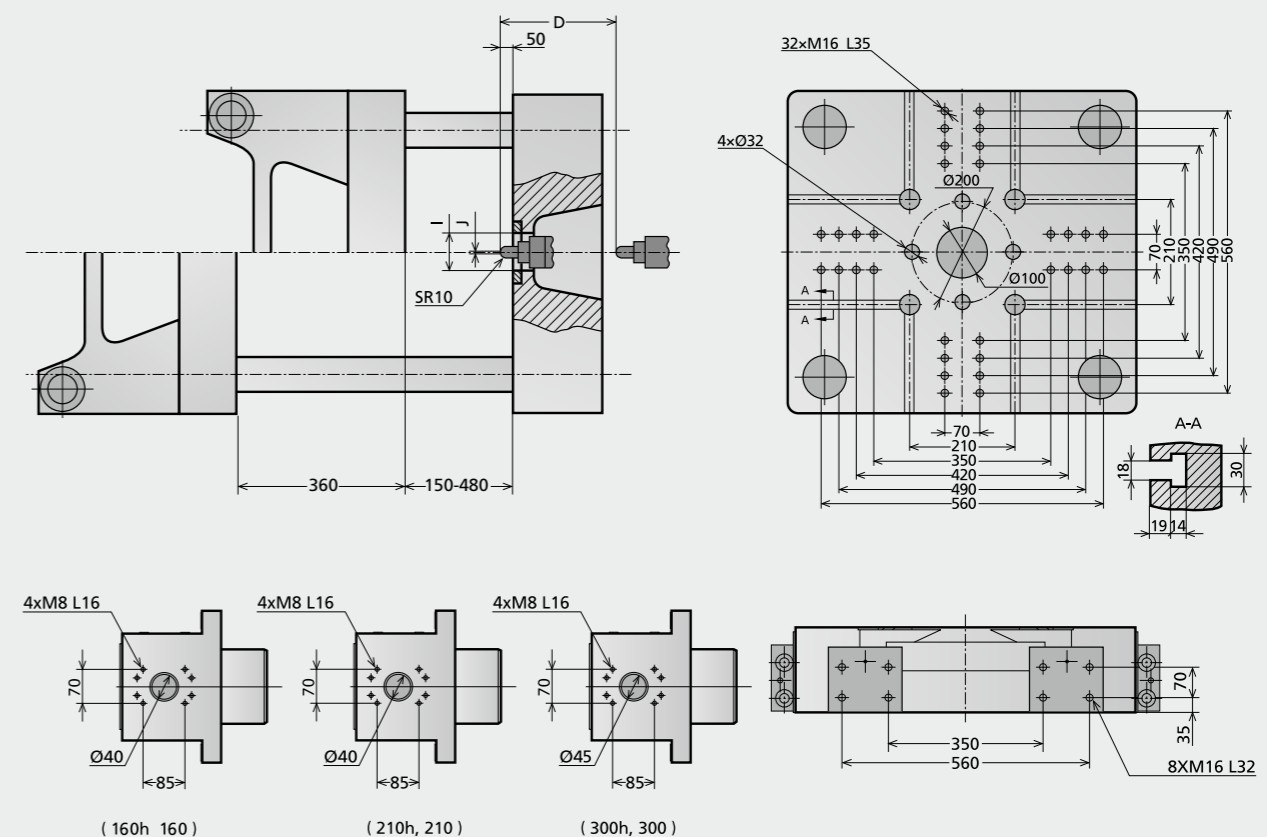
Machine dimensions VE1200 II

unit: mm



Platen dimensions VE1200 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
430h,430	5380	990	1772	360	1225	204	1712	1934	Ø125	Ø3
300h,300	4904	840	1446	360	1224	205	1682	1934	Ø125	Ø2.5
210h,210	4700	772	1310	360	1222	182	1593	1909	Ø125	Ø2.5
160h,160	4580	672	1290	360	1222	182	1593	1909	Ø125	Ø2.5

Technical data **VE1500 II**

CLAMPING UNIT

		VE1500 II
Clamping force	kN	1500
Toggle stroke	mm	420
Min. mold height	mm	180
Max. mold height	mm	520
Max. mold opening stroke	mm	940
Space between tie bars HxV	mm	520x470
Min. mold dimension	mm	335x305
Ejector stroke	mm	120
Ejector force	kN (tf)	34.3(3.5)
Mold platen dimension HxV	mm	770x730

	AA	A	B	C	AA	A	B	C	A	B	C	A	B	C	
Screw diameter	mm	26	28	32	36	30	32	36	40	36	40	45	40	45	50
Screw L/D ratio	L/D	21	21	21	18.6	21	22.5	20	18	23.3	21	18.7	22.5	20	18
Injection volume (theoretical) cm ³		61	70	100	127	102	116	147	182	173	213	270	252	319	395
Injection weight (PS) g		55	64	91	116	92	106	134	166	157	194	246	229	290	358
Screw speed	rpm	400				400				350					
Plasticizing capacity (PS) g/s		8.8	11	16	22	12.8	16	22	30	22	30	42	27	39	50
Nozzle contact force	kN (tf)	19.6(2.0)				29.4(3.0)				29.4(3.0)					
Heating power	kW	5.4	7.8	9.2	9.2	7.7	11.8	11.8	11.8	13.4			14.8		

INJECTION UNIT

	210	300	430	640(OP)											
Injection speed	mm/s	200	200	200	160										
Injection rate (PS) g/s		96	112	146	185	128	146	184	228	184	228	289	183	231	285
Injection pressure	Mpa	280	260	200	160	280	253	200	162	247	200	158	253	200	162
	bar	2800	2600	2000	1600	2800	2530	2000	1620	2470	2000	1580	2530	2000	1620
Holding pressure	Mpa	224	206	160	126	224	202	160	130	197	160	126	202	160	130
	bar	2240	2060	1600	1260	2240	2020	1600	1300	1970	1600	1260	2020	1600	1300

INJECTION UNIT

	210h	300h	430h	640h(OP)											
Injection speed	mm/s	350	300	300	250										
Injection rate (PS) g/s		169	196	256	324	193	220	277	342	277	342	434	285	360	445
Injection pressure	Mpa	280	260	200	160	280	253	200	162	247	200	158	253	200	162
	bar	2800	2600	2000	1600	2800	2530	2000	1620	2470	2000	1580	2530	2000	1620
Holding pressure	Mpa	224	206	160	126	224	202	160	130	197	160	126	202	160	130
	bar	2240	2060	1600	1260	2240	2020	1600	1300	1970	1600	1260	2020	1600	1300

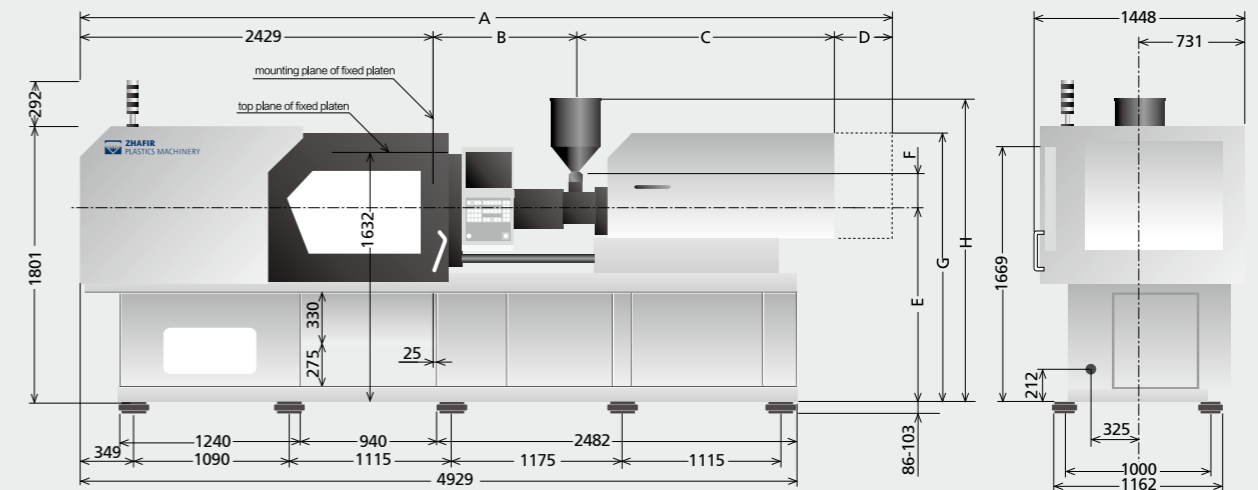
OTHERS

	210:17/28 210h:26/43	300:22/37 300h:33/55	430:30/50 430h:39/65	640:37/62 640h:39/66
Connection power	kW/A			
Hopper capacity	l	25	25	25
Machine dimension	m	4.93x1.46x2.09	5.12x1.46x2.09	5.59x1.46x2.09
Machine weight	t	6.3	6.5	6.9

We reserve the right to make changes as a result of further technical advantages.

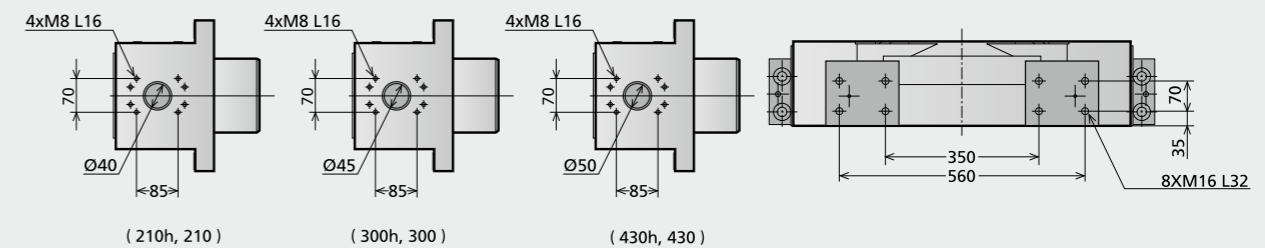
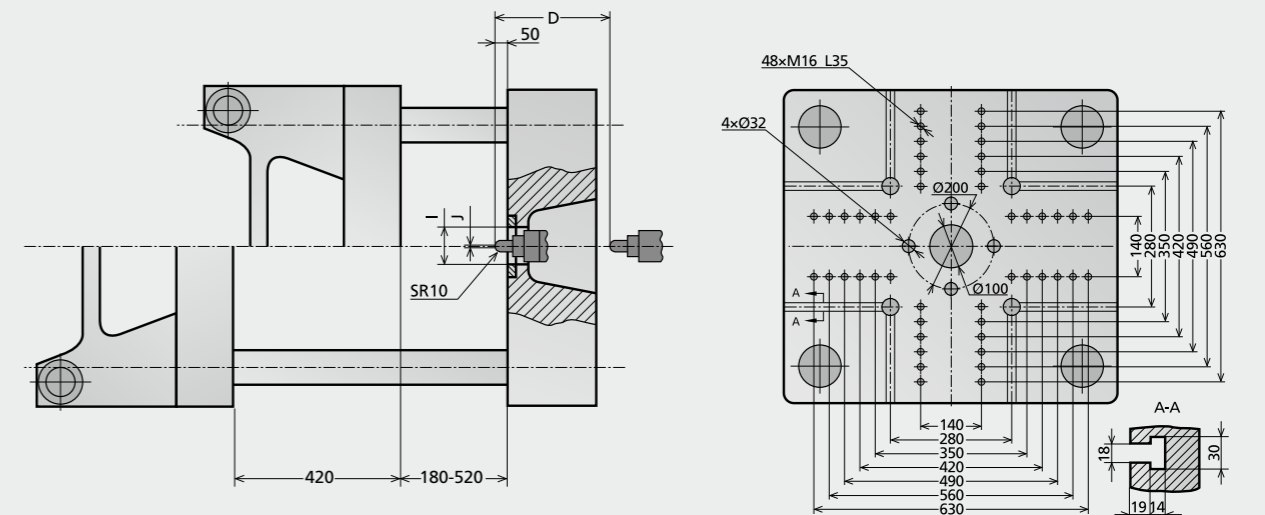
Machine dimensions VE1500 II

unit: mm



Platen dimensions VE1500 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
640h,640	5688	1048	1811	400	1270	204	1757	1979	Ø125	Ø3
430h,430	5588	988	1771	400	1270	204	1757	1979	Ø125	Ø3
300h,300	5115	840	1447	400	1267	207	1728	1979	Ø125	Ø2.5
210h,210	4910	772	1308	400	1267	182	1638	1954	Ø125	Ø2.5

Technical data VE1900 II

CLAMPING UNIT

		VE1900 II
Clamping force	kN	1900
Toggle stroke	mm	470
Min. mold height	mm	200
Max. mold height	mm	550
Max. mold opening stroke	mm	1020
Space between tie bars HxV	mm	570x520
Min. mold dimension	mm	370x335
Ejector stroke	mm	130
Ejector force	kN (tf)	44.1(4.5)
Mold platen dimension HxV	mm	840x790

	AA	A	B	C	A	B	C	A	B	C	A	B	C				
Screw diameter	mm	30	32	36	40	36	40	45	40	45	50	45	50	55			
Screw L/D ratio	L/D	21	22.5	20	18	23.3	21	18.7	22.5	20	18	22.2	20	18			
Injection volume (theoretical) cm ³		102	116	147	182	173	213	270	252	319	395	334	412	499			
Injection weight (PS)	g	92	106	134	166	157	194	246	229	290	358	304	375	454			
Screw speed	rpm	400				400				350				320			
Plasticizing capacity (PS)	g/s	12.8	16	22	30	22	30	42	27	39	50	35	46	60			
Nozzle contact force	kN (tf)	24.5(2.5)				39.2(4.0)				39.2(4.0)				39.2(4.0)			
Heating power	kW	7.7	11.8	11.8	11.8	13.4				14.8				20.2			
INJECTION UNIT		300				430				640				830(OP)			
Injection speed	mm/s	200				200				160				160			
Injection rate (PS)	g/s	128	146	184	228	184	228	289	183	231	285	231	285	346			
Injection pressure	Mpa	280	253	200	162	247	200	158	253	200	162	247	200	165			
	bar	2800	2530	2000	1620	2470	2000	1580	2530	2000	1620	2470	2000	1650			
Holding pressure	Mpa	224	202	160	130	197	160	126	202	160	130	197	160	132			
	bar	2240	2020	1600	1300	1970	1600	1260	2020	1600	1300	1970	1600	1320			
INJECTION UNIT		300h				430h				640h				830h(OP)			
Injection speed	mm/s	300				300				250				250			
Injection rate (PS)	g/s	193	220	277	342	277	342	434	285	360	445	362	446	594			
Injection pressure	Mpa	280	253	200	162	247	200	158	253	200	162	247	200	165			
	bar	2800	2530	2000	1620	2470	2000	1580	2530	2000	1620	2470	2000	1650			
Holding pressure	Mpa	224	202	160	130	197	160	126	202	160	130	197	160	132			
	bar	2240	2020	1600	1300	1970	1600	1260	2020	1600	1300	1970	1600	1320			

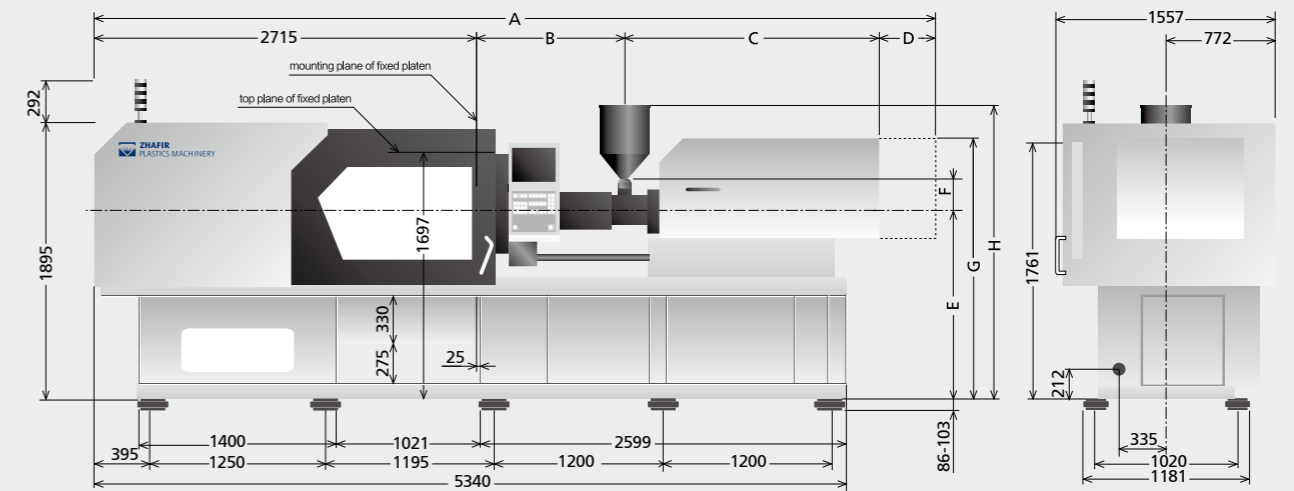
OTHERS

Connection power	kW/A	300:22/37 300h:33/55				430:30/50 430h:39/65				640:37/62 640h:39/66				830:45/76 830h:57/96			
Hopper capacity	l	25				25				25				50			
Machine dimension	m	5.40x1.56x2.19				5.87x1.56x2.19				5.97x1.56x2.19				6.25x1.56x2.19			
Machine weight	t	7.4				7.8				8.2				9.1			

We reserve the right to make changes as a result of further technical advantages.

Machine dimensions VE1900 II

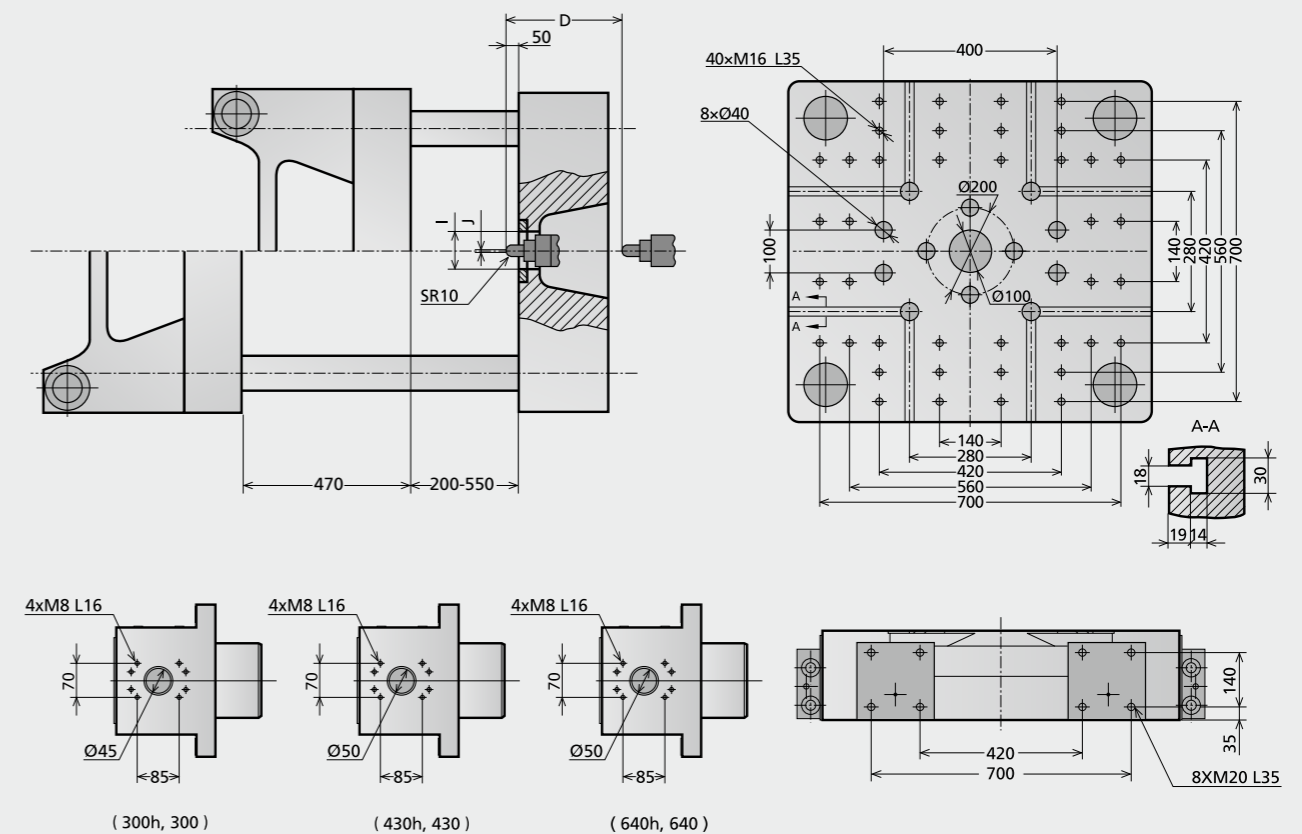
unit: mm



Note: The above machine size does not apply to the 830h and 830 injection unit.

Platen dimensions VE1900 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
640h,640	5973	1048	1810	400	1302	212	1792	2020	Φ160	Φ3
430h,430	5873	988	1770	400	1302	212	1792	2019	Φ160	Φ3
300h,300	5400	835	1450	400	1304	205	1764	2014	Φ160	Φ2.5

Technical data **VE2300 II**

CLAMPING UNIT

		VE2300 II
Clamping force	kN	2300
Toggle stroke	mm	550
Min. mold height	mm	220
Max. mold height	mm	600
Max. mold opening stroke	mm	1150
Space between tie bars HxV	mm	620x620
Min. mold dimension	mm	400x400
Ejector stroke	mm	150
Ejector force	kN (tf)	49(5.0)
Mold platen dimension HxV	mm	920x920

	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	36	40	45	40	45	50	45	50	55	50	55	60
Screw L/D ratio	23.3	21	18.7	22.5	20	18	22.2	20	18	22	20	18.3
Injection volume (theoretical) cm ³	173	213	270	252	319	395	334	412	499	471	570	678
Injection weight (PS)	157	194	246	229	290	358	304	375	454	428	518	617
Screw speed	400			350			320			320		
Plasticizing capacity (PS)	22	30	42	27	39	50	35	46	60	52	63.6	75
Nozzle contact force	29.4(3.0)			49(5.0)			49(5.0)			54(5.5)		
Heating power	13.4			14.8			20.2			25		

INJECTION UNIT

	430	640	830	1100(OP)									
Injection speed	200	160	160	160									
Injection rate (PS)	184	228	289	183	231	285	231	285	346	285	346	411	
Injection pressure	Mpa	247	200	158	253	200	162	247	200	165	218	180	151
	bar	2470	2000	1580	2530	2000	1620	2470	2000	1650	2180	1800	1510
Holding pressure	Mpa	197	160	126	202	160	130	197	160	132	194	160	134
	bar	1970	1600	1260	2020	1600	1300	1970	1600	1320	1940	1600	1340

INJECTION UNIT

	430h	640h	830h	1100h(OP)									
Injection speed	300	250	250	250									
Injection rate (PS)	277	342	434	285	360	445	362	446	594	446	540	642	
Injection pressure	Mpa	247	200	158	253	200	162	247	200	165	218	180	151
	bar	2470	2000	1580	2530	2000	1620	2470	2000	1650	2180	1800	1510
Holding pressure	Mpa	197	160	126	202	160	130	197	160	132	194	160	134
	bar	1970	1600	1260	2020	1600	1300	1970	1600	1320	1940	1600	1340

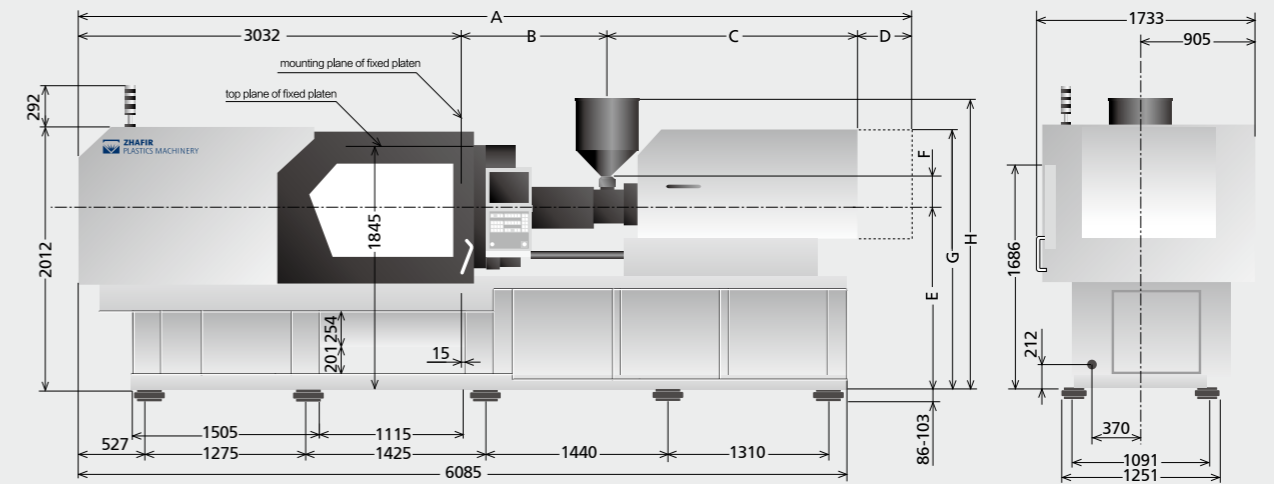
OTHERS

	430:30/50 430h:39/65	640:37/62 640h:39/66	830:45/76 830h:57/96	1100:47/79 1100h:63/105
Connection power	kW/A			
Hopper capacity	l			
Machine dimension	m			
Machine weight	t			

We reserve the right to make changes as a result of further technical advantages.

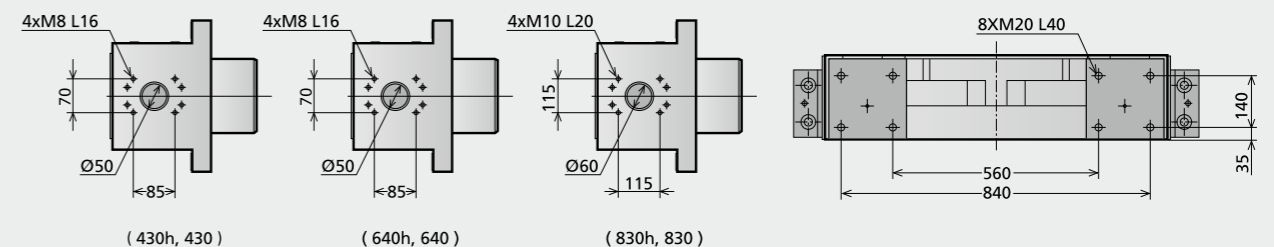
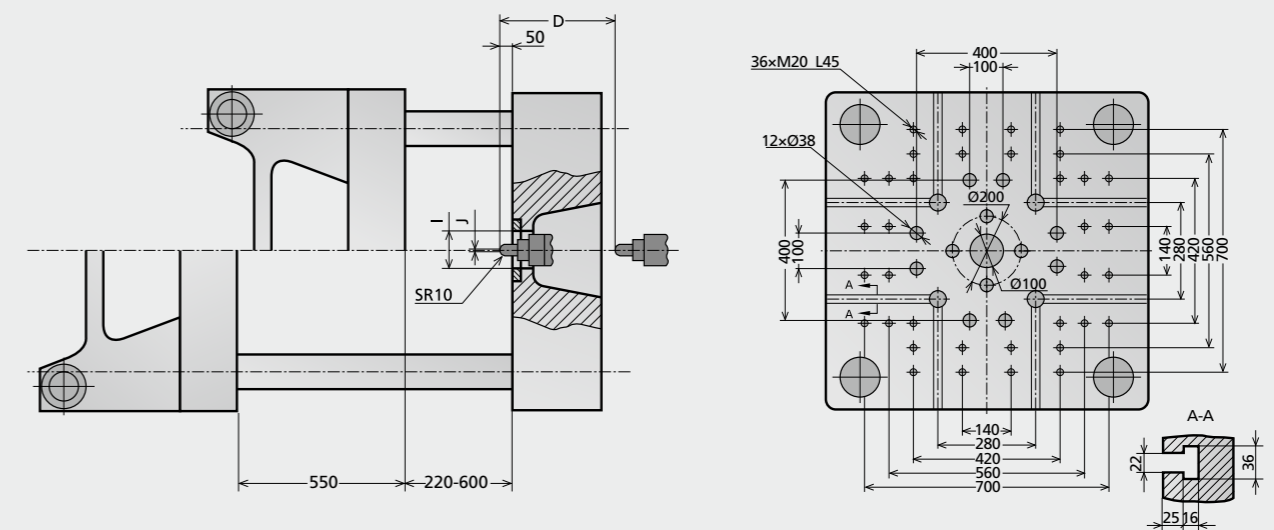
Machine dimensions VE2300 II

unit: mm



Platen dimensions VE2300 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
1100h,1100	6761	1265	2034	430	1387	243	1973	2210	Ø160	Ø3
830h,830	6598	1135	1983	430	1387	233	1973	2200	Ø160	Ø3
640h,640	6322	1048	1810	430	1387	212	1877	2104	Ø160	Ø3
430h,430	6222	988	1772	430	1387	207	1877	2100	Ø160	Ø3

Technical data **VE3000 II**

CLAMPING UNIT

		VE3000 II
Clamping force	kN	3000
Toggle stroke	mm	600
Min. mold height	mm	240
Max. mold height	mm	650
Max. mold opening stroke	mm	1250
Space between tie bars HxV	mm	720x720
Min. mold dimension	mm	470x470
Ejector stroke	mm	150
Ejector force	kN (tf)	58.8(6.0)
Mold platen dimension HxV	mm	1040x1040

	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	45	50	55	50	55	60	55	60	65	60	65	70
Screw L/D ratio	22.2	20	18	22	20	18.3	21.8	20	18.5	21.6	20	18.6
Injection volume (theoretical) cm ³	334	412	499	471	570	678	617	735	863	792	929	1078
Injection weight (PS)	304	375	454	428	518	617	562	668	785	720	845	980
Screw speed	320			320			300			250		
Plasticizing capacity (PS)	35	46	60	52	63.6	75	54	64	71	57	68	77
Nozzle contact force	54(5.5)			54(5.5)			54(5.5)			54(5.5)		
Heating power	20.2			25			29.8			34.4		

INJECTION UNIT

	830	1100	1400	1700(OP)
Injection speed	160	160	160	160
Injection rate (PS)	231	285	346	285
	285	346	411	346
	411	483	411	483
Injection pressure	247	200	165	218
	2000	1650	2180	1800
	1510	2140	1800	1530
	2100	1800	2100	1800
	1550			
Holding pressure	197	160	132	194
	1600	1320	1940	1600
	1340	1900	1600	1360
	1870	1600	1870	1600
	1380			

INJECTION UNIT

	830h	1100h	1400h	1700h(OP)
Injection speed	250	250	250	250
Injection rate (PS)	362	446	594	446
	540	642	540	642
	754	642	754	642
Injection pressure	247	200	165	218
	2000	1650	2180	1800
	1510	2140	1800	1530
	2100	1800	2100	1800
	1550			
Holding pressure	197	160	132	194
	1600	1320	1940	1600
	1340	1900	1600	1360
	1870	1600	1870	1600
	1380			

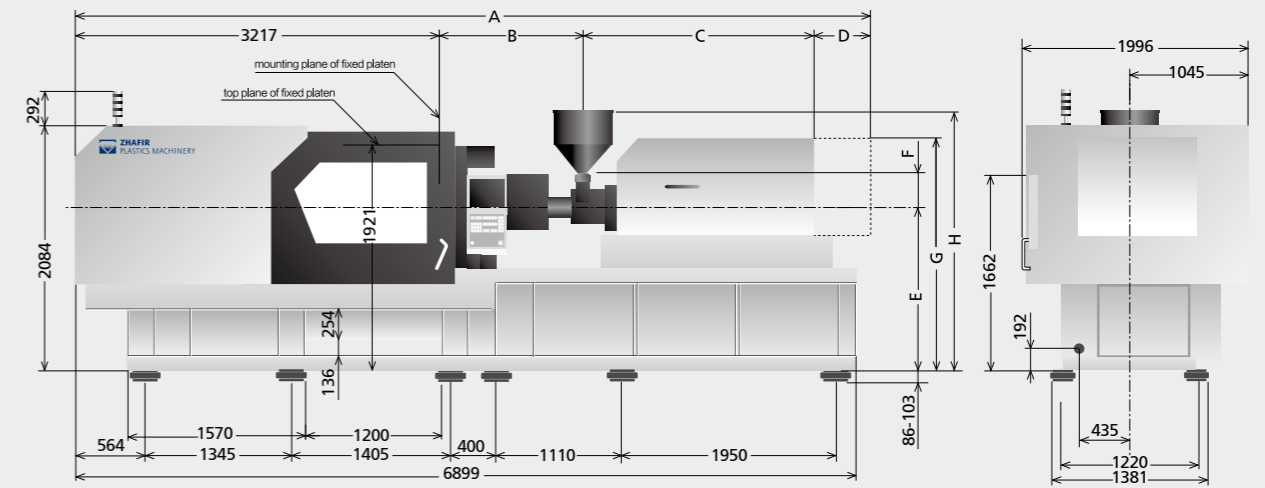
OTHERS

	830:45/76 830h:57/96	1100:47/79 1100h:63/105	1400:71/118 1400h:100/168	1700:83/139 1700h:102/171
Connection power	kW/A			
Hopper capacity	l	50	50	50
Machine dimension	m	6.95x2.0x2.38	7.14x2.0x2.38	7.57x2.0x2.38
Machine weight	t	14.2	14.5	15.8

We reserve the right to make changes as a result of further technical advantages.

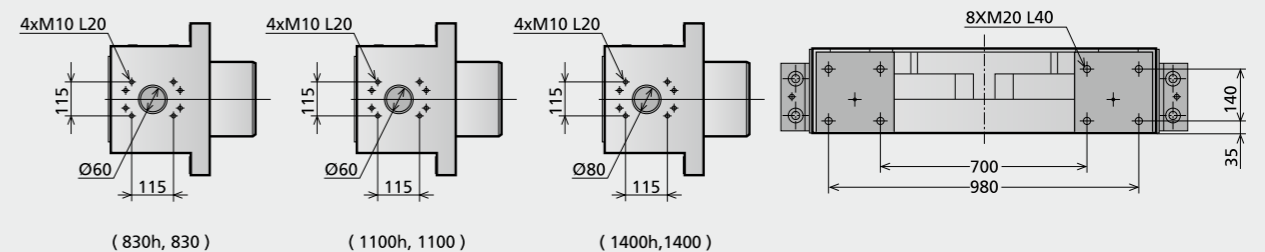
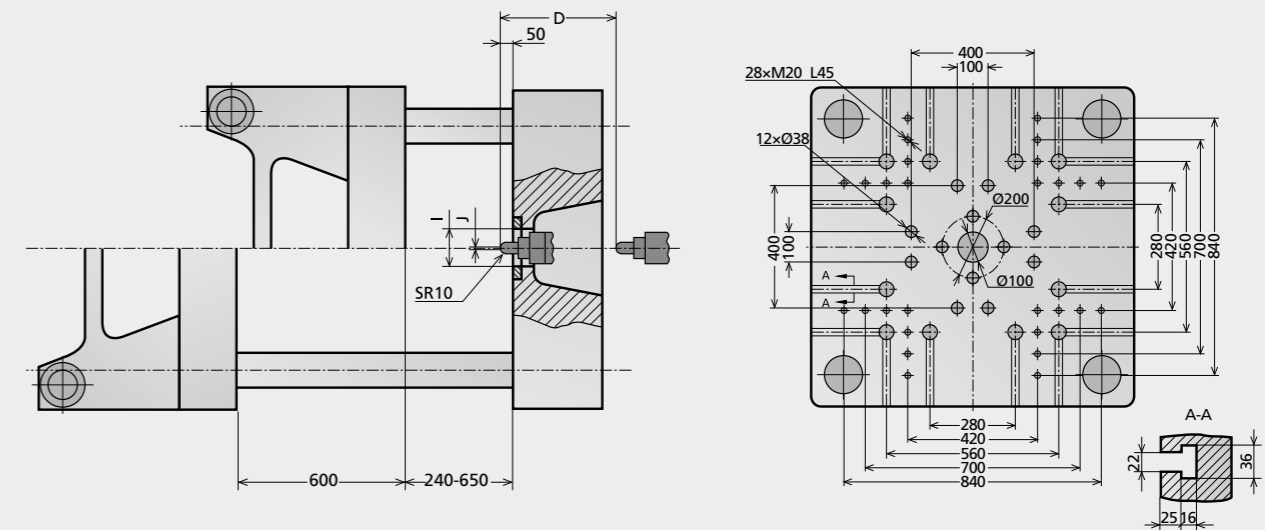
Machine dimensions VE3000 II

unit: mm



Platen dimensions VE3000 II

unit: mm



	A	B	C	D	E	F	G	H	I	J
1700h,1700	7767	1498	2442	610	1391	253	2076	2224	Ø160	Φ3
1400h,1400	7568	1356	2385	610	1391	253	2076	2224	Ø160	Φ3
1100h,1100	7137	1270	2040	610	1390	244	1976	2204	Ø160	Φ3
830h,830	6947	1143	1977	610	1390	233	1976	2204	Ø160	Φ3

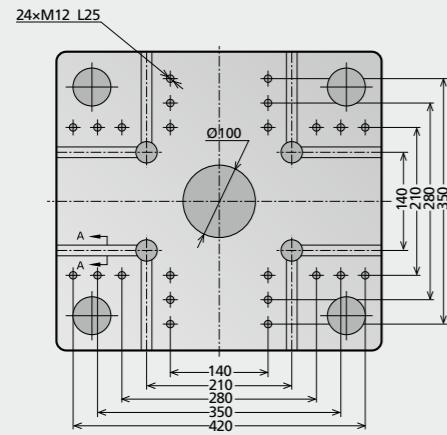
Platen Layout **VE400 II**

Platen Layout **VE600 II**

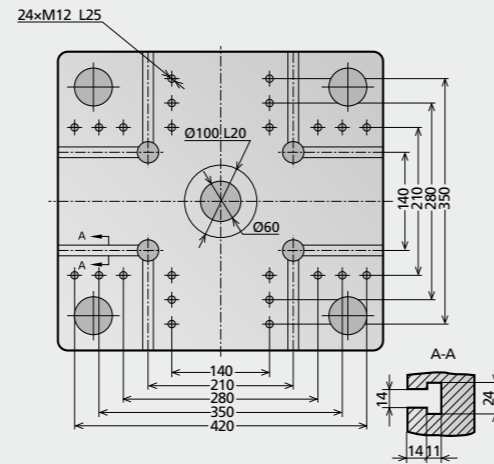
European version

unit: mm

Fixed platen



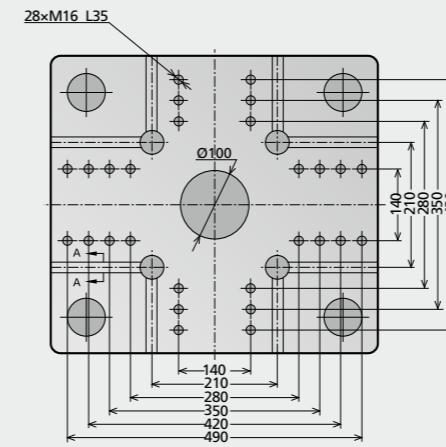
Movable platen



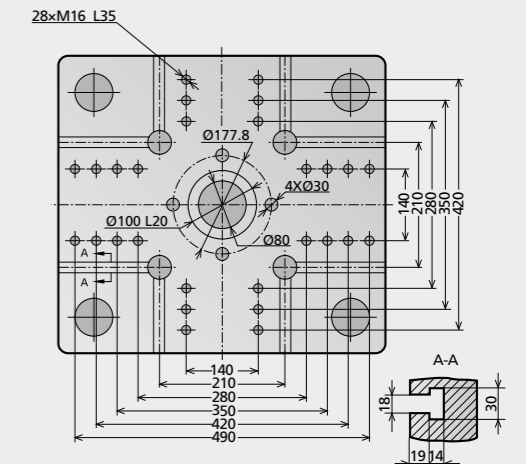
European version

unit: mm

Fixed platen



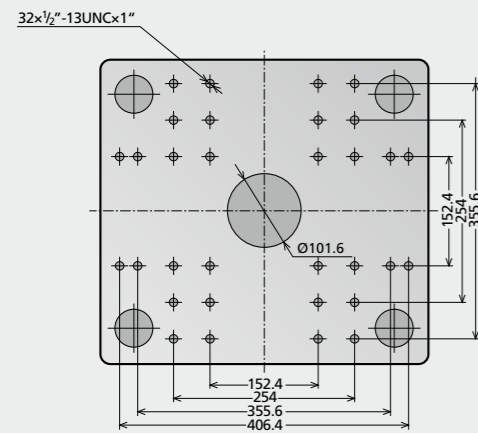
Movable platen



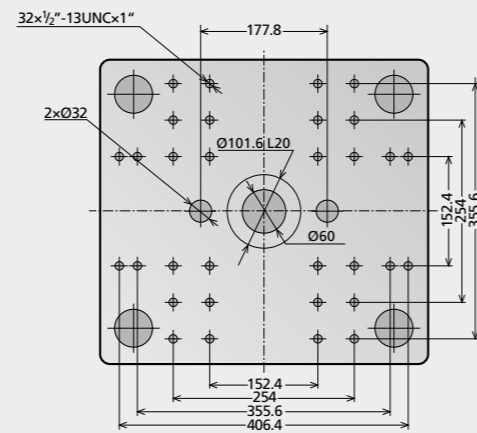
American version

unit: mm

Fixed platen



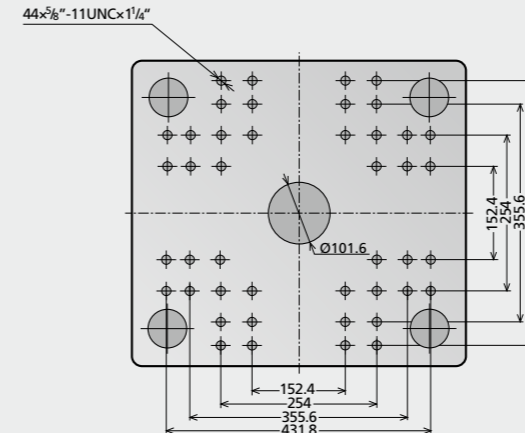
Movable platen



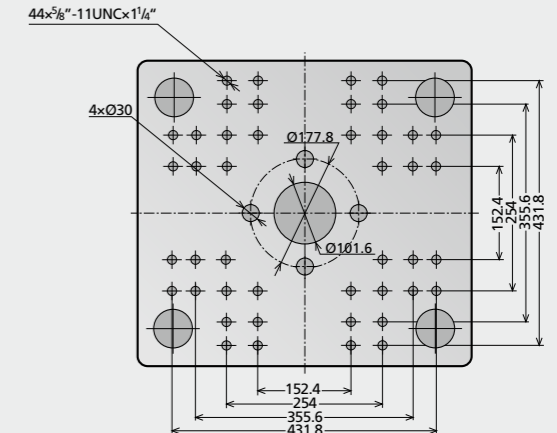
American version

unit: mm

Fixed platen



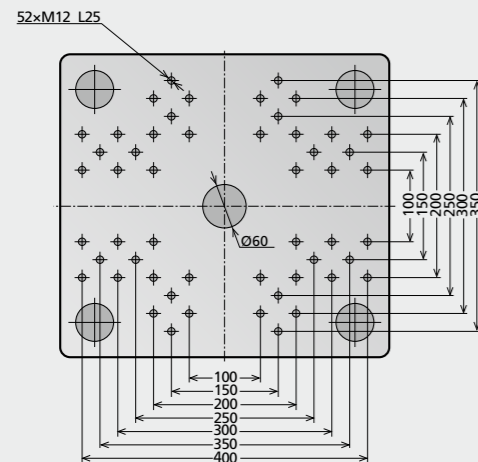
Movable platen



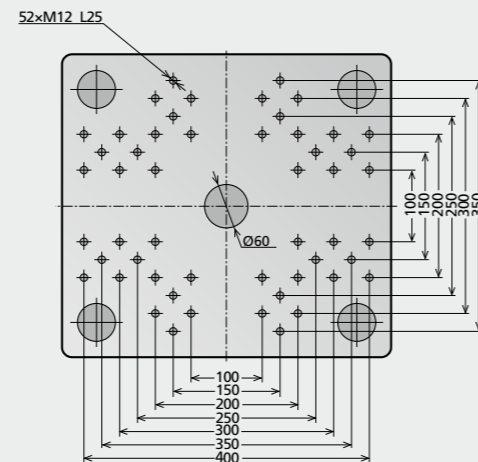
Japanese version

unit: mm

Fixed platen



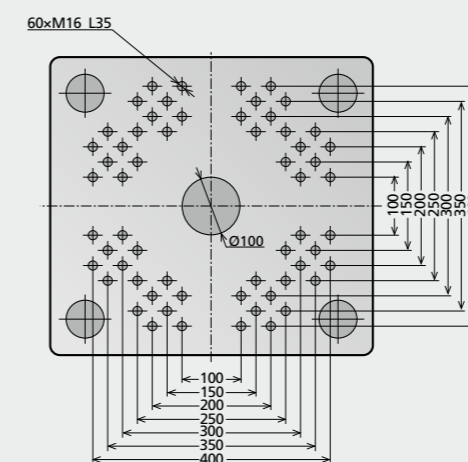
Movable platen



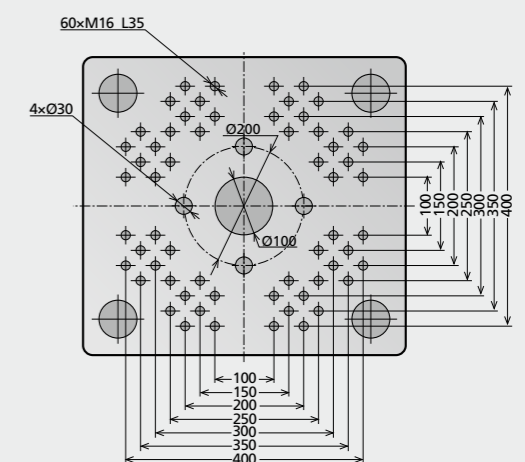
Japanese version

unit: mm

Fixed platen



Movable platen



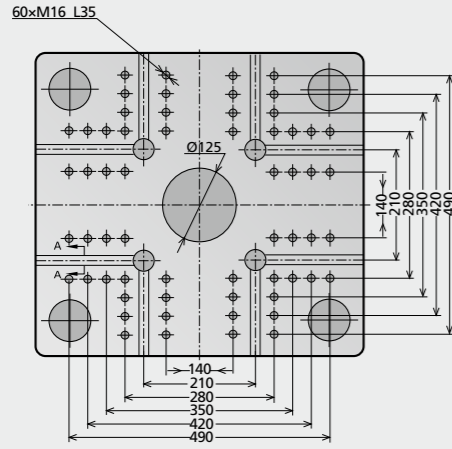
Platen Layout **VE900 II**

Platen Layout **VE1200 II**

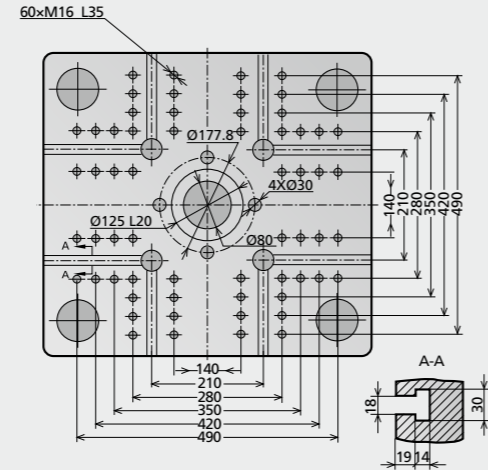
European version

unit: mm

Fixed platen



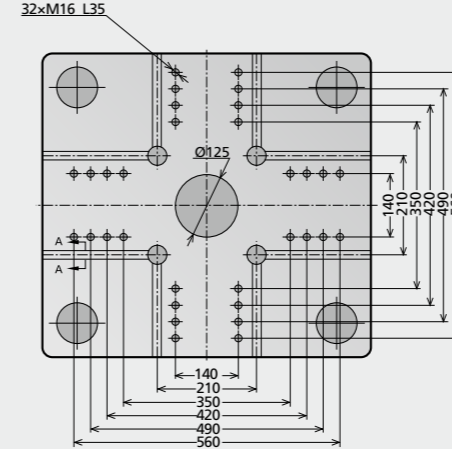
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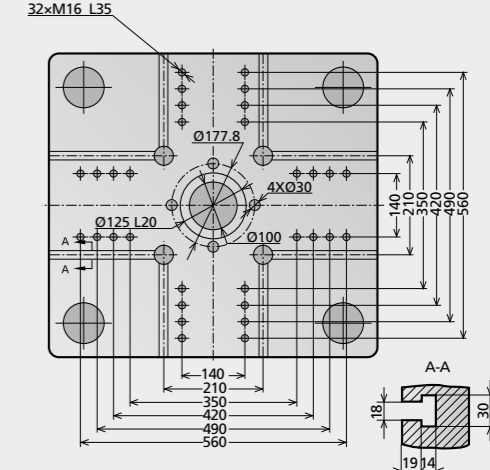
European version

unit: mm

Fixed platen



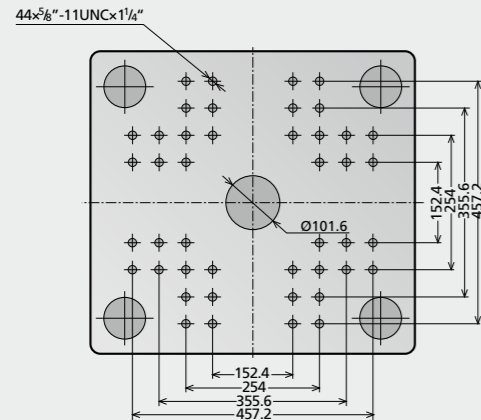
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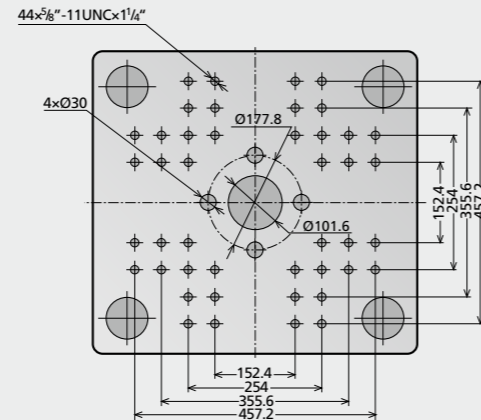
American version

unit: mm

Fixed platen



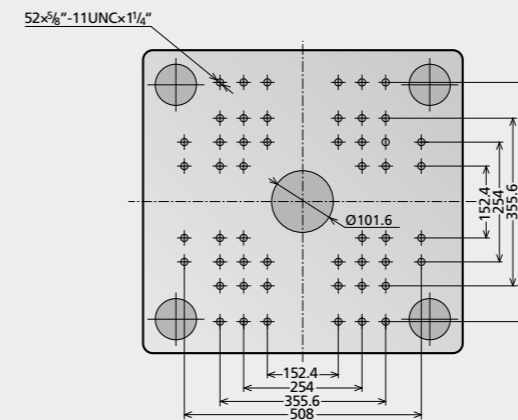
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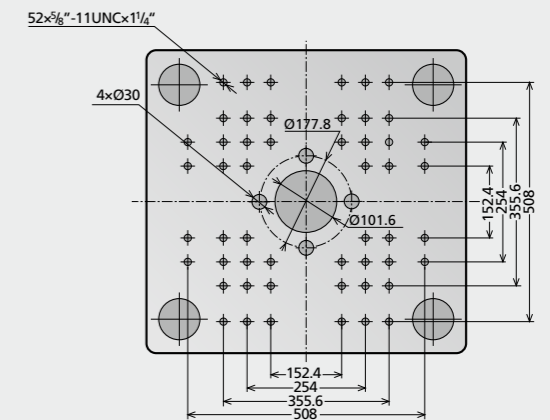
American version

unit: mm

Fixed platen



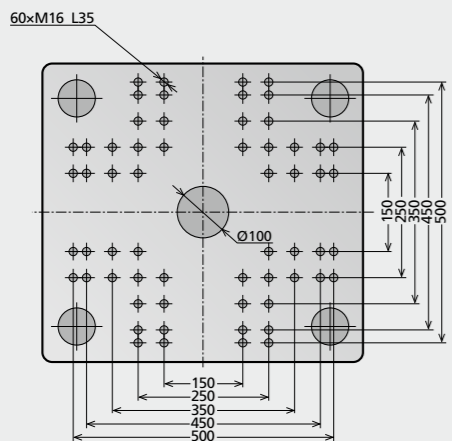
Movable platen



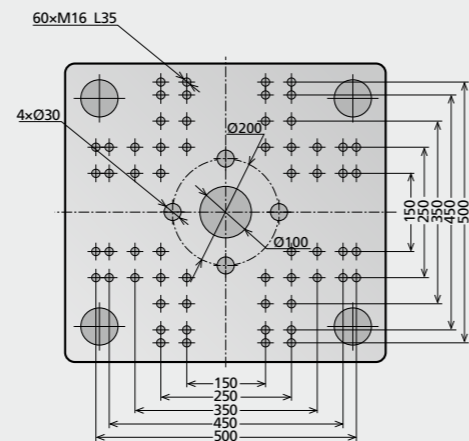
Japanese version

unit: mm

Fixed platen



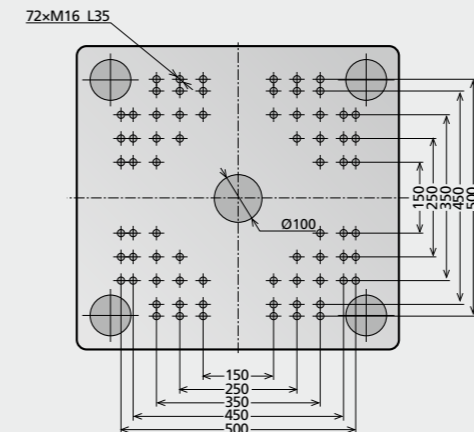
Movable platen



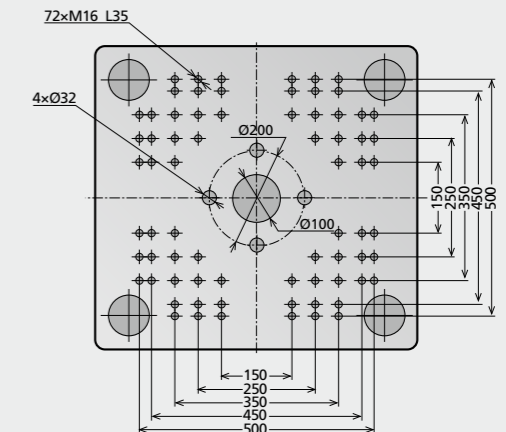
Japanese version

unit: mm

Fixed platen



Movable platen



Platen Layout **VE1500 II**

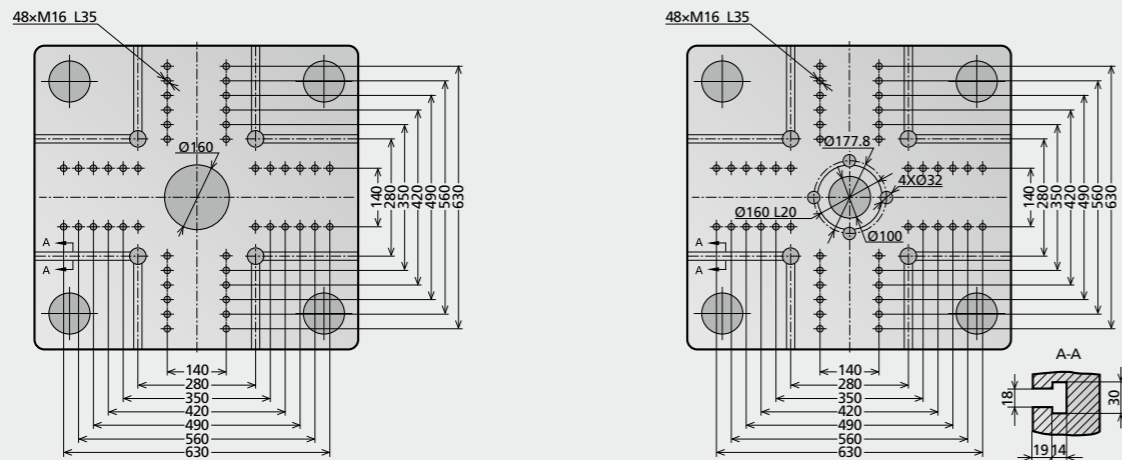
Platen Layout **VE1900 II**

European version

unit: mm

Fixed platen

Movable platen

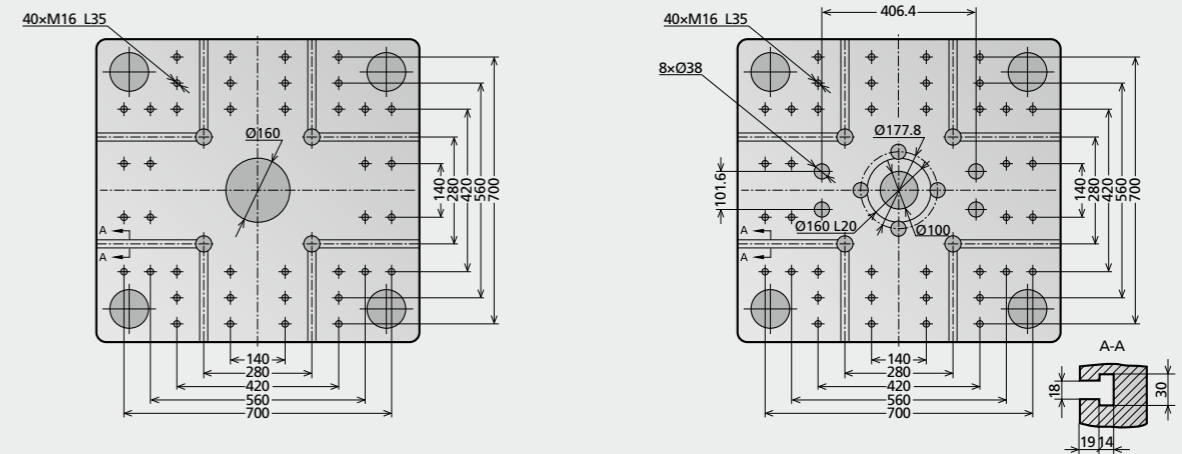


European version

unit: mm

Fixed platen

Movable platen

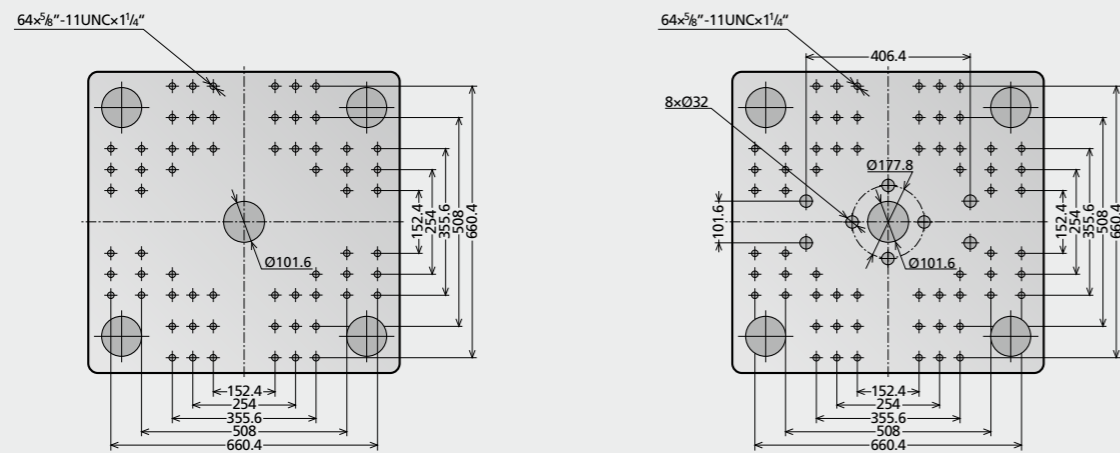


American version

unit: mm

Fixed platen

Movable platen

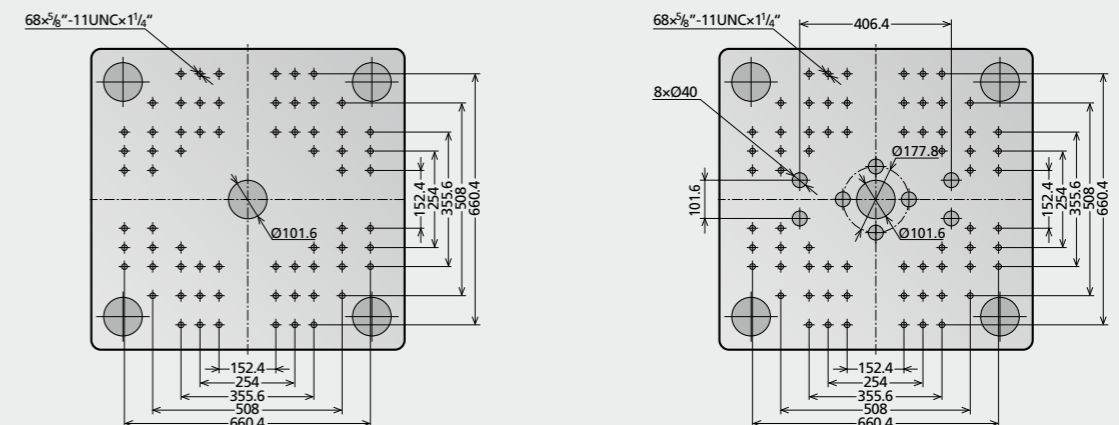


American version

unit: mm

Fixed platen

Movable platen

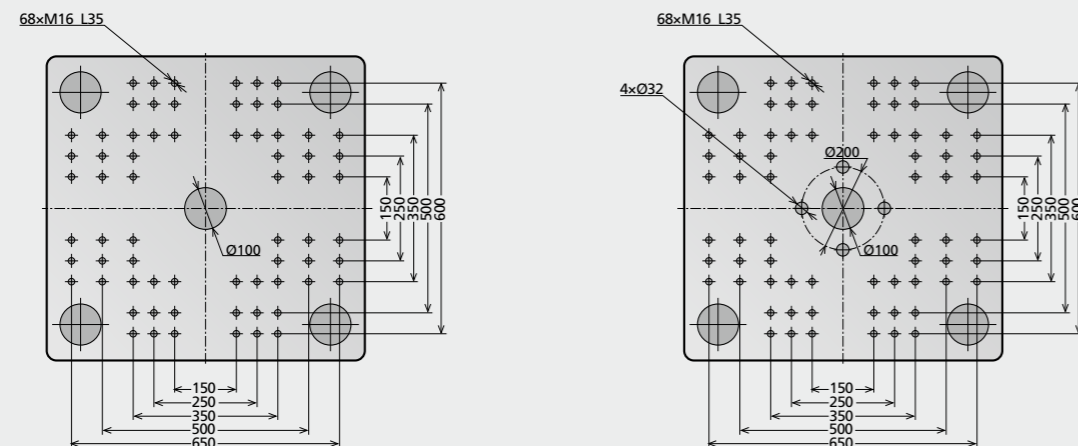


Japanese version

unit: mm

Fixed platen

Movable platen

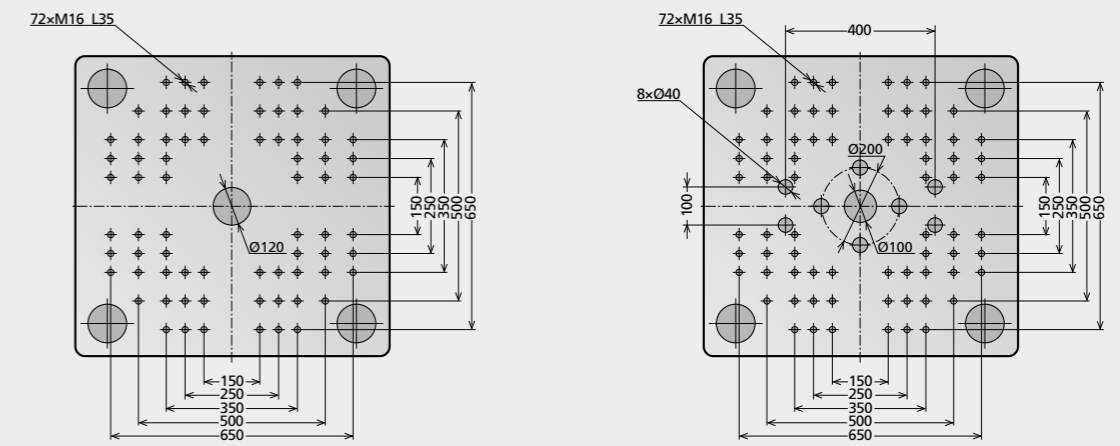


Japanese version

unit: mm

Fixed platen

Movable platen



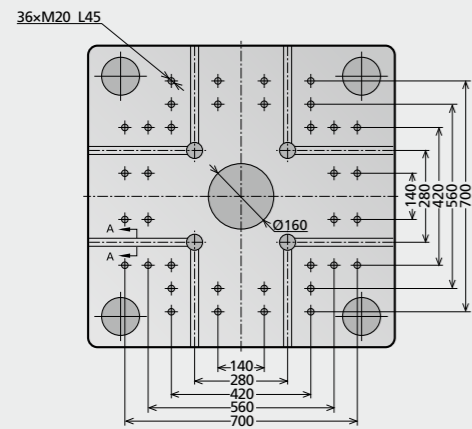
Platen Layout **VE2300 II**

Platen Layout **VE3000 II**

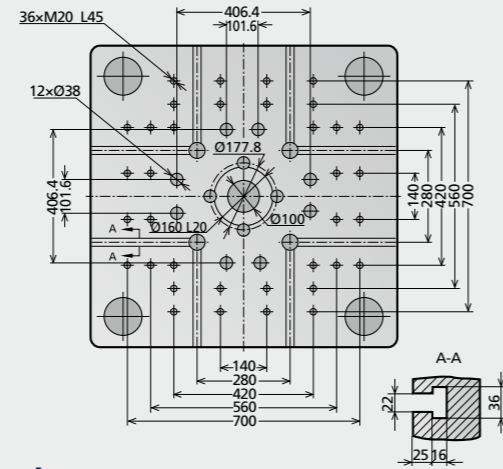
European version

unit: mm

Fixed platen



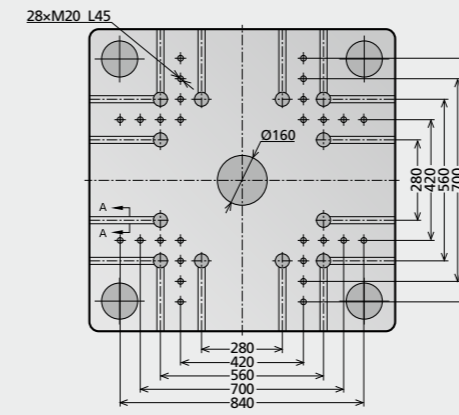
Movable platen



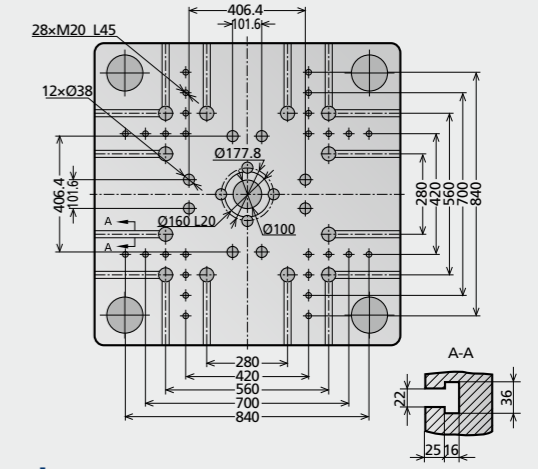
European version

unit: mm

Fixed platen



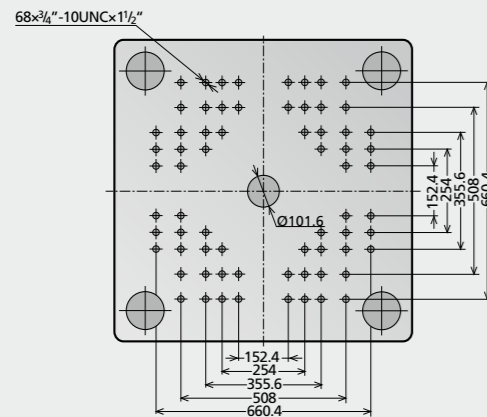
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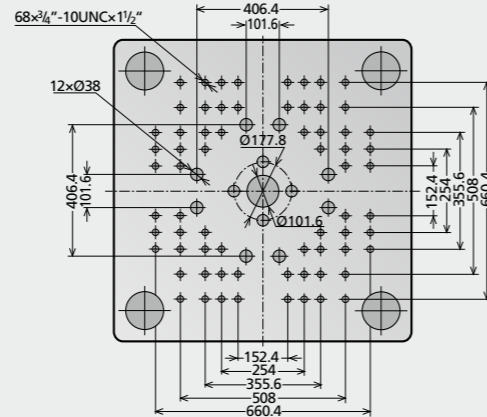
American version

unit: mm

Fixed platen



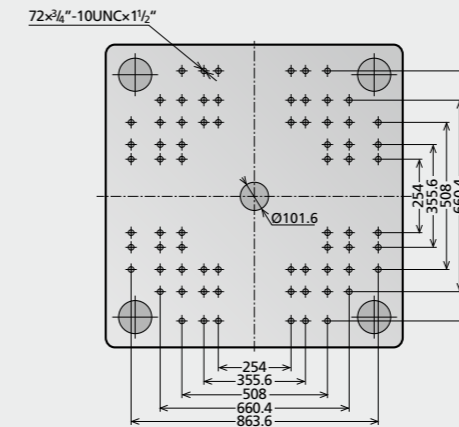
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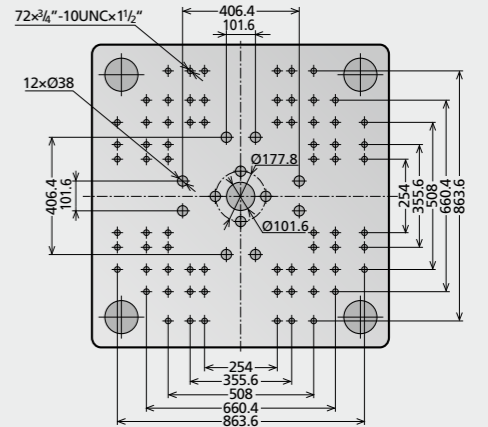
American version

unit: mm

Fixed platen



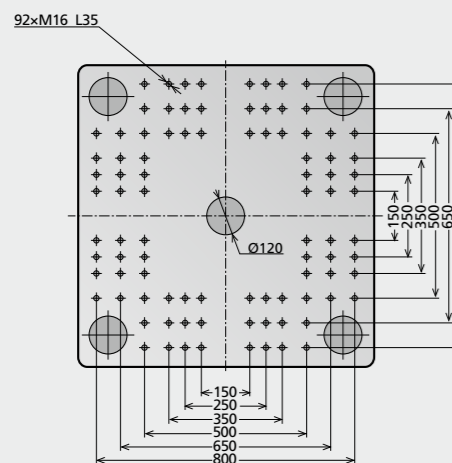
Movable platen



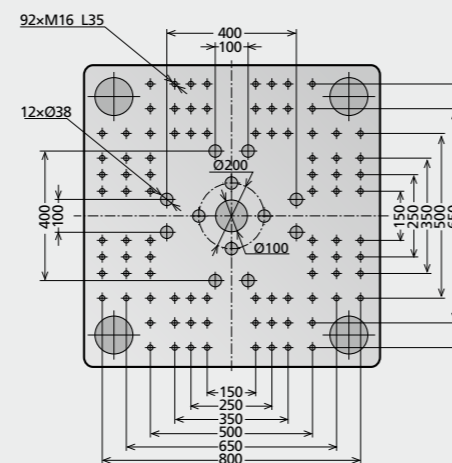
Japanese version

unit: mm

Fixed platen



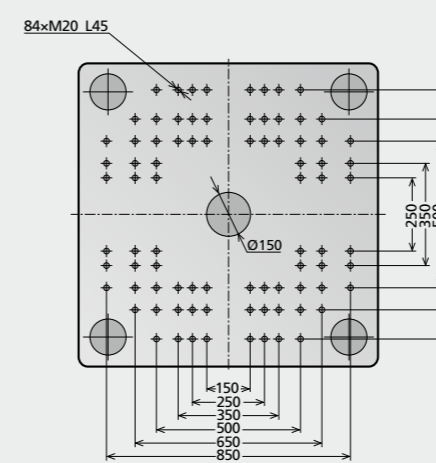
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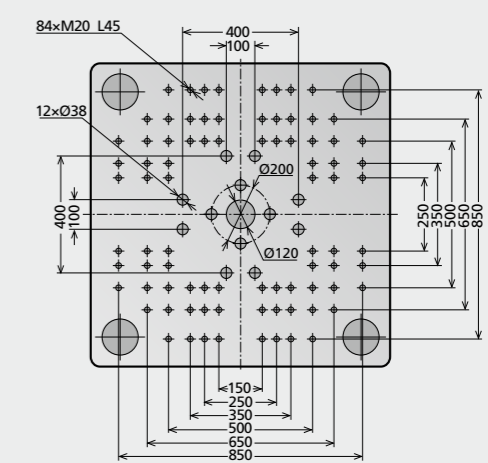
Japanese version

unit: mm

Fixed platen



Movable platen

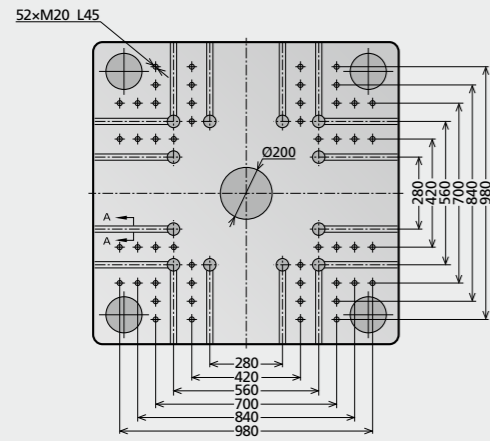


Platen Layout **VE3600 II**

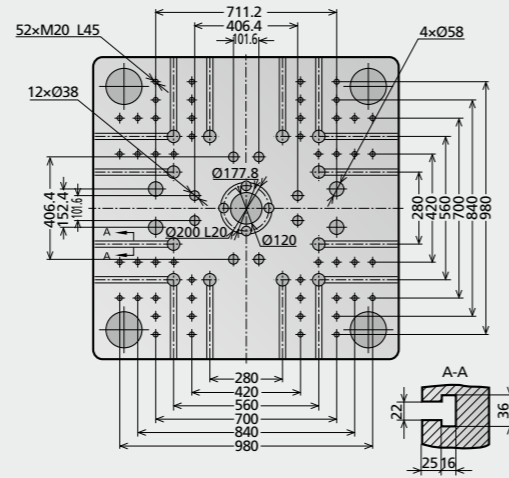
European version

unit: mm

Fixed platen



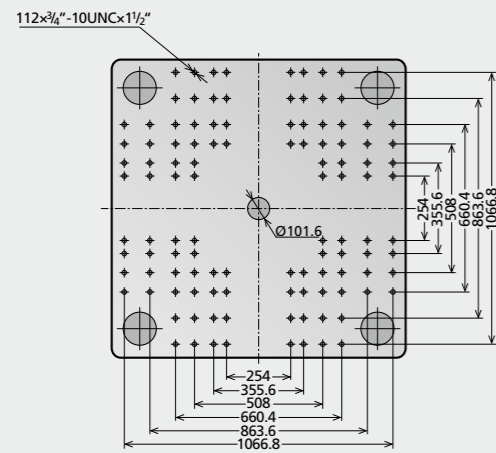
Movable platen



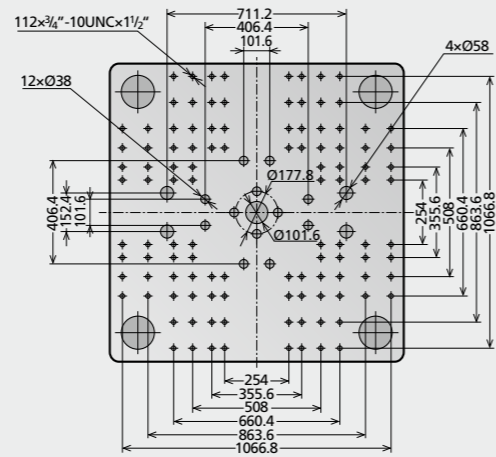
American version

unit: mm

Fixed platen



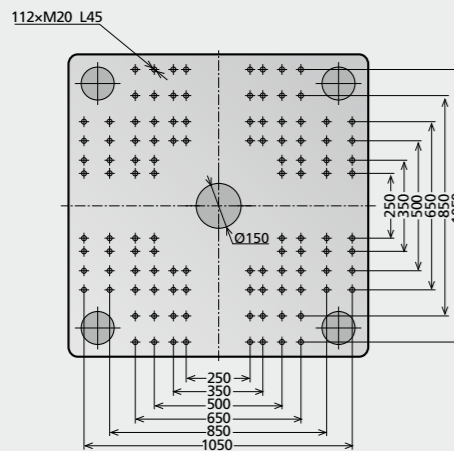
Movable platen



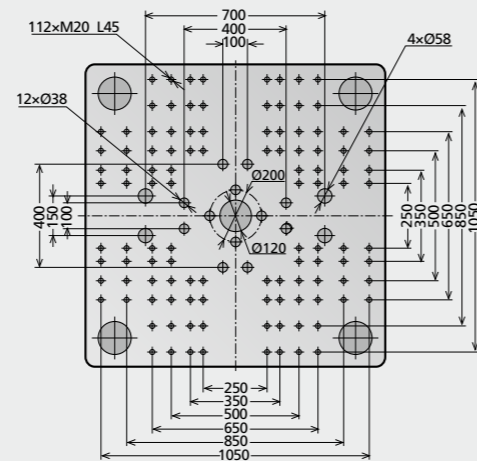
Japanese version

unit: mm

Fixed platen



Movable platen



NOTE:

Standard Equipment List

Injection Unit

- » Abrasion-resistant screw unit(open nozzle)
- » Nozzle safety guard
- » 6 Injection steps
- » 4 Pressure holding steps
- » 3 Dosing steps
- » 3 Back pressure steps
- » Screw suck back select(After holding/After dosing)
- » Screw suck back delay function
- » Injection delay function
- » Dosing delay function
- » Intrusion/filling by rotating screw
- » V/P switch over mode(position,time,pressure,speed)
- » Injection speed response mode select
- » Injection pressure segment control
- » Speed limit during holding pressure
- » Screw position setting(unit: 0.01mm)
- » Screw rotation speed setting
- » Holding pressure time setting
- » Mold open available during dosing
- » Barrel heating closed-loop control (K/J type available)
- » Barrel temperature holding function
- » Barrel temperature auto tuning function
- » Barrel pre-heating function
- » Barrel temperature synchronous control
- » Material overheating prevention function
- » Screw cold start prevention
- » Auto purge function

- » Screw rotation speed display
- » Nozzle movement setting(Switch/Time)
- » Nozzle retract select(3 modes)
- » Nozzle contact device
- » Nozzle centre adjustable
- » Feeding throat temperature closed-loop control
- » Injection unit swiveling device
- » Independent nozzle temperature control

Clamping unit

- » 6 mold moving steps
- » Mold safety protection
- » Mold setup mode
- » Injection compression function
- » Clamping force pre-release during cooling
- » Injection during clamping(Pre-injection)
- » 2 Step mold close/clamp process
- » In mold cut function (ejector activate when mold closed)
- » Clamping safety device(Mechanical and Electrical)
- » Adjustable moving platen support
- » Clamping force setting
- » Ejector device
- » Ejector function deactivatable
- » 3 Ejector steps
- » Ejector forward delay function
- » Ejector vibration function
- » Ejector A/B function(2 steps ejector stroke)
- » Eject on the fly
- » Ejector plate return signal confirmation

- » Cooling water distributor(6 sets up to 1500kN,8 sets for others)
- » In mold ejector pin protection interface
- » Mold installation mode (Low speed mold move)
- » Needle shut off nozzle interface (one spare electrical interface)
- » Emergency stop(Operating and Non-operating sides)
- » Robot mounting layout
- » Central lubrication system
- » S-curve flexible control for mold movement

Controller & Monitor

- » 15 inch TFT color touch screen
- » Mold profile data memory (up to 200 sets)
- » Alarm record
- » Data setting record
- » 3 USB R/W interface
- » Injection pressure speed curve display and record
- » Euromap 12 robot interface
- » Multi-language available(Chinese, German, English, Japanese etc.)
- » Metric/Imperial unit select
- » I/O monitor display
- » Printer interface(USB connector)
- » Production cycle monitor
- » Production profile monitor
- » Production data record(5000 cycles display, 100,000 cycles record)
- » Production data graphics

- » Quality parameters tolerance setting
- » Quality abnormal alarm
- » Cycle counter
- » Machine overview display
- » Main data setting fast access
- » Machine maintenance administration
- » Clamping force curve display
- » Barrel temperature monitor
- » Performance time sequence display
- » 3 Color alarm lamp(red/yellow/green)
- » Alarm buzzer
- » Injection overfill prevention (HPM)
- » Actual performance data display
- » Multi-action selectable during machine alarm

Others

- » Standard Zhaifir color
- » Adjustable machine pads
- » 3 Power sockets
- » Standard hopper
- » Mold clamber
- » T-screw nuts(for T-slot use)
- » Tools box
- » Spare parts

Options List

Injection Unit

- » Chrome-plating screw unit
- » Corrosion and abrasion resistant screw unit
- » High capacity nozzle heat band
- » Extended nozzle
- » V/P switch based on in-mold pressure
- » Needle shut off nozzle
- » Spring nozzle
- » Nozzle head customization
- » Stainless steel hopper

Clamping unit

- » Air blow
- » Pneumatic ejector
- » Hydraulic power pack(For core and valve gate)
- » Hydraulic core interface(Programable)
- » Pneumatic core interface(Programable)
- » Valve Gate control interface
- » Glass tube water flowmeter
- » Customized Mold platen(T-slot,threaded holes)
- » Mold unscrew electrical interface
- » Mold height extension
- » Mold slide block protection interface
- » Eject compression function
- » Mold auto clamp device (Pneumatic/hydraulic)
- » Ejector unit with brake

- » Intergrated hot runner controller
- » Product drop plate
- » Automatic safety gate on operator side
- » Clamping force automatically controller
- » Quality flap
- » Product drop detector

Controller & Monitor

- » Mold temperature display and control
- » Quality flap interface
- » Heating disconnect detection function
- » Additional cooling water distributor
- » External transformer
- » Euromap 67 robot interface
- » Gas-assisted injection interface
- » Magnetic platen interface
- » Mold cavity pressure detection interface

Others

- » Infrared barrel heating band
- » Barrel heating insulation cover
- » CE certification
- » UL certification

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