

**EKS Series**



The Passionate Pursuit of Perfection  
[www.boleamerica.com](http://www.boleamerica.com)

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**EKS Hydraulic Servo Energy-Saving Injection Molding Machine**

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THIS VERSION WAS PRINTED IN MARCH 2020.

# EKS Series

## EKS Hydraulic Servo Energy Saving Injection Molding Machine



Injection Molding Machine



More than 60 upgrades have been implemented to the mechanical, electric, hydraulic, and software systems making the EKS the top-of-the-line in all-electric injection molding machines.



## Excellent Stability

BOLE has increased the structural rigidity of the EKS by 30% to provide greater stability during molding, especially of large molds

## Accurate

- BOLE's EKS provides precise mold open/close positioning: +/- 0.0197inch
- Injection positioning accuracy of +/- 0.0079inch

## Economical

BOLE's central clamping toggle design saves 2-5% in material for 80% of our Customers compared to traditional edge-clamping toggle designs

## Intelligent Networking Management System

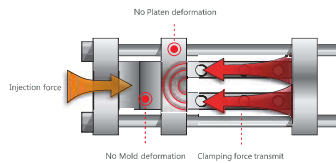
- Designed for Industry 4.0 Intelligent Factories
- High-performance PLC obtains information from all systems including robot, mold temperature controller, cooling and machine accessories.
- Wireless network management system interacts with cell phones to display machine information, operational status, machine downtime, and product analysis at a glance.
- Orders dispatched via computer for greater production efficiency, better production planning and operational control.
- EMS data exchange terminal makes it possible to automate every machine line

# Clamping Unit

**Center-clamping Structure**  
 Obtained the National Invention Patent of China  
 (Patent No.: ZL2011 10250342.5)

Unique Center Clamping Structure designed to increase overall structural rigidity by 30%

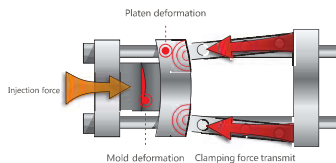
## Toggle System Comparison:



**BOLE**

### BOLE Center Clamping Structure

- Provides 100% clamping force efficiency
- 2-5% material savings
- Reduces mold wear and eliminates platen deflection
- Reduces the possibility of part flash, eliminating secondary trim work

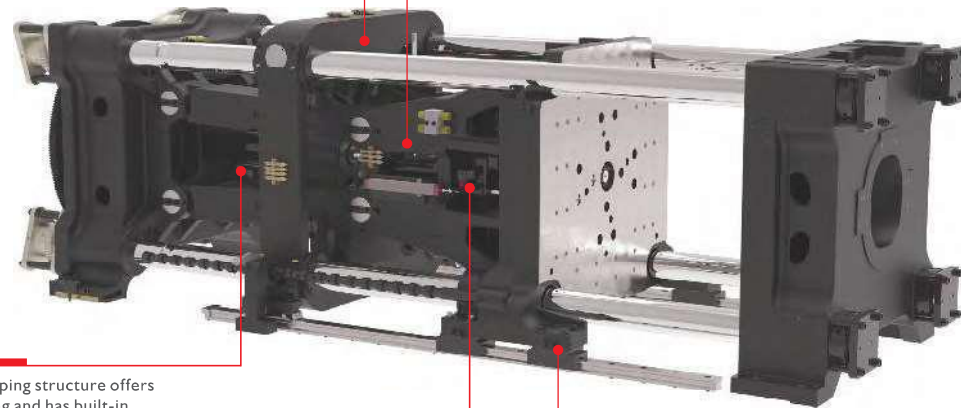


**Others**

### Traditional Toggle Systems

- 80-85% clamping force efficiency
- Platen deflection causes flash, waste of material and increases labor costs to trim parts

Newly designed EKS clamping structure offers improved rigidity for less platen deflection, less mold wear saving on mold maintenance.



280-4000-ton clamping structure offers more tie-bar spacing and has built-in clamping cylinder.

Patented pneumatic fast-forced resetting connector makes assembly and disassembly easy; adaptable to all ejector types.

Optimized platen structure means easy installation of ejector back rod.

Innovative Toggle structure offers greater machine stability, faster speed and shorter dry-cycle times.

Moving platen support structure for 110-1102 US Ton presses uses linear guide rather than tie-bars to keep the mold area clean for clean-room use.

1323 US Ton and above offers a non-slip foot design to increase machine stability for greater reliability when using large molds.

# Injection Unit

Offers Precision Design by German Engineers



- German-designed screws are custom-made to meet complex technical requirements for special plasticizing systems.
- All series can be outfitted with A\B\C screws to achieve optimum plasticizing efficiency.

All BOLE series injector units can be fit with A\B\C screw, with L/D ratio of 23:1 to achieve optimum plasticizing with greater efficiency.

Plasticizing unit design of German.

Plasticizing unit design offers German Engineering offering efficiencies in excess of 20% of competing plasticizing units.

An upgraded module design with high rigidity at the injection seat, with a linear guide supporting structure.

Enhanced cooling ring for the barrel offers better temperature control and charge efficiency.

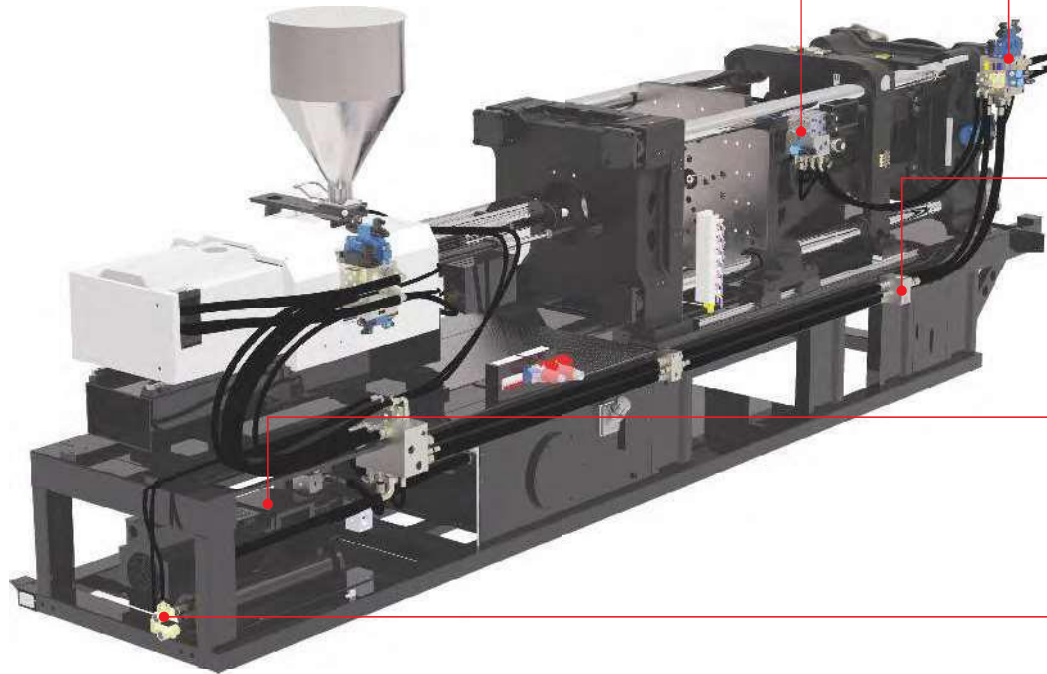
New injection cylinder offers lower injection offers less back resistance.

Stronger charge unit offers greater stability and longer life.

Compatible injection base for three different models.

# Hydraulic Unit

Machine comes standard with one set of valve-gated manifold for fast combination.



Special hydraulic system for clamping with patented software algorithms for greater position accuracy of  $\pm 0.0197$  inch

Non-welded hydraulic pipe system means solid structure with no leakage problems.

A low momentum servo system offers quick response time (30-50 milliseconds); system pressure rises to 2538 psi. Injection pressure and speed are greatly increased for faster cycle times.

Oil temperature auto-control systems means less cooling water required and more stability in the machine.

# Intelligent Software Design

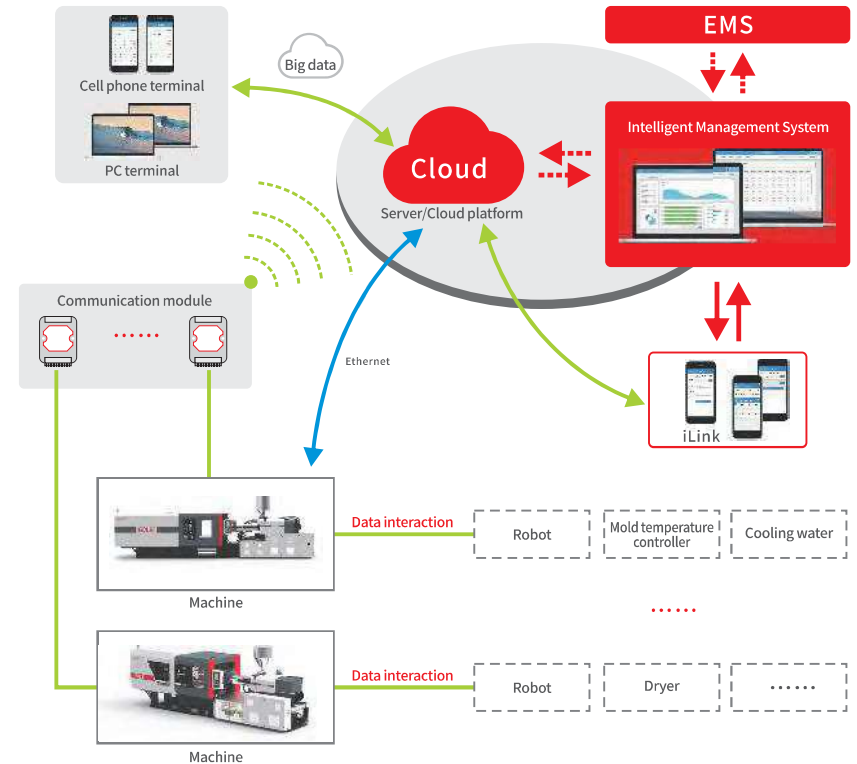
## KEBA controller



- Industry 4.0 with BOLE'S new Intelligent Networking Management System.
- Greater accuracy can be achieved with the intelligent control software of Mold Open Positioning providing an accuracy of +/-0.0197 inch with a BOLE EKS injection molding machine.
- Integrated with the patented control software for Intelligent Injection Process Controller, accuracy in repeatability can be achieved.
- BOLE's EKS comes equipped with I/O safety notice to prevent short-circuits.
- Electrical components offer the engineering expertise of vendors including Schneider Electric, Eaton, ABB and Fuji to ensure the highest-quality components for longer service life.
- Independent wiring layout with anti-interference along with an independent control box offers easy installation, and convenience for repair.

# Intelligent Networking Management System

March into industry 4.0 ,opening a new era of intelligent factories



The high performance PLC of the BOLE EKS injection molding machine captures the information of the robotics, mold temperature controller, cooling system and other machine accessories. A wireless network management system provides data interaction so that information can be obtained through PC or cell phone for checking processing parameters and operation status remotely. It also offers machine failure incidents as well as product analysis at a glance for better production efficiencies, product planning and scheduling. BOLE provides EMS data exchange terminal making it possible to implement automation through the entire factory for true Industry 4.0 manufacturing.

## Technical Data

Description	UNIT	BLI00EKS/C340				BLI00EKS/C460				BLI40EKS/C340				BLI40EKS/C460				BLI40EKS/C630				BLI70EKS/C460											
<b>Clamping Unit</b>																																	
Clamping force	us ton	110								154								187															
Opening stroke	in	14.17								16.54								18.90															
Distance between tie bars (h×v)	in×in	16.1 x 14.2								18.1 x 16.1				20.1 x 18.1																			
Platen dimension (h×v)	in×in	23.2 x 21.3								26.0 x 24.0				29.5 x 27.6																			
Min. mold height	in	6.30								7.09								7.87															
Max. mold height	in	16.54								18.50								20.87															
Max. daylight	in	30.71								35.04								39.76															
Ejector stroke	in	3.94								5.12								5.91															
Ejector force forward	us ton	3.7								5.4								5.4															
Ejector force back	us ton	2.4								4.1								4.1															
Number of ejector ping	pc	5								5								5															
<b>Injection Unit</b>																																	
International specification		340				460				340				460				630				460											
Screw specification	mm	AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C								
Screw diameter	mm	28	32	36	40	32	36	40	45	28	32	36	40	32	36	40	45	36	40	45	50	32	36	40	45								
Screw diameter	in	1.10	1.26	1.42	1.57	1.26	1.42	1.57	1.77	1.10	1.26	1.42	1.57	1.26	1.42	1.57	1.77	1.42	1.57	1.77	1.97	1.26	1.42	1.57	1.77								
Screw ratio	L/D	20	23	23	23	20	23	23	23	20	23	23	23	20	23	23	23	20	23	23	23	20	23	23	23								
Theoretical shot volume	cu in	6.76	8.83	11.17	13.80	9.81	12.42	15.33	19.40	6.76	8.83	11.17	13.80	9.81	12.42	15.33	19.40	13.97	17.25	21.83	26.95	9.81	12.42	15.33	19.40								
Max. shot weight (PS)	g	102	133	168	208	148	187	231	292	102	133	168	208	148	187	231	292	211	260	329	406	148	187	231	292								
Max. shot weight (PS)	oz	3.60	4.70	5.95	7.35	5.23	6.61	8.17	10.34	3.60	4.70	5.95	7.35	5.23	6.61	8.17	10.34	7.44	9.19	11.63	14.35	5.23	6.61	8.17	10.34								
Injection rate into the air	cu in/s	4.78	6.25	7.91	9.76	6.41	8.12	10.02	12.68	5.98	7.81	9.89	12.20	6.41	8.12	10.02	12.68	6.95	8.58	10.85	13.40	6.41	8.12	10.02	12.68								
Injection rate into the air (PS)	oz/s	2.52	3.29	4.17	5.14	3.38	4.28	5.28	6.68	3.15	4.12	5.21	6.43	3.38	4.28	5.28	6.68	3.66	4.52	5.72	7.06	3.38	4.28	5.28	6.68								
Specific Injection pressure	psi	45324	34701	27418	22209	42261	33392	27047	21371	45324	34701	27418	22209	42261	33392	27047	21371	39953	32362	25570	20711	42261	33392	27047	21371								
Screw stroke	in	7.09				7.87				7.09				7.87				8.86				7.87											
Max. injection speed	in/s	5.02				5.15				6.27				5.15				4.40				5.15											
Max. Screw speed	r/min	280				250				280				250				215				250											
Theoretical plasticizing speed (PS)	g/s	9	13	18	24	12.0	16.0	22.0	30.0	9.0	13.0	18.0	24.0	12	16	22	30	14.0	19.0	26.0	34.0	12.0	16.0	22.0	30.0								
<b>Other</b>																																	
System Pressure	psi	2538								2538								2538															
Pump motor	kw	13.4				16.4				16.4				16.4				16.4															
Heater power	kw	5.8	6.8	7.9	9	7.8	8.8	10	11.3	5.8	6.8	7.9	9	7.8	8.8	10	11.3	11.2	12	13.2	14.4	7.8	8.8	10	11.3								
Number of temp. control zones		3+1								3+1								3+1															
Energy consumption level	kw.h/kg	≤0.4								≤0.4								≤0.4															
Hopper capacity	lbs	55								55								110															
Oil tank capacity	us gal	40								48								61															
Machine dimensions (L×W×H)	ft×ft×ft	15.1 x 4.6 x 7.2								16.4 x 4.9 x 7.5								16.7 x 4.9 x 7.5								18.4 x 5.2 x 7.5							
Machine weight	lbs	8157								9921								14330															



## Technical Data

Description	UNIT	BL170EKS/C630				BL170EKS/C860				BL230EKS/C630				BL230EKS/C860				BL230EKS/CI450			
<b>Clamping Unit</b>																					
Clamping force	us ton	187								254											
Opening stroke	in	18.90								20.87											
Distance between tie bars (h×v)	in×in	20.1 × 18.1								22.0 × 20.1											
Platen dimension (h×v)	in×in	29.5 × 27.6								32.3 × 30.3											
Min. mold height	in	7.87								8.66											
Max. mold height	in	20.87								22.83											
Max. daylight	in	39.76								43.70											
Ejector stroke	in	5.91								5.91											
Ejector force forward	us ton	5.4								7.4											
Ejector force back	us ton	4.1								4.3											
Number of ejector ping	pc	5								9											
<b>Injection Unit</b>																					
International specification		630				860				630				860				1450			
Screw specification	mm	AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C
Screw diameter	mm	36	40	45	50	40	45	50	55	36	40	45	50	40	45	50	55	50	55	60	65
Screw diameter	in	1.42	1.57	1.77	1.97	1.57	1.77	1.97	2.17	1.42	1.57	1.77	1.97	1.57	1.77	1.97	2.17	1.97	2.17	2.36	2.56
Screw ratio	L/D	20	23	23	23	20	23	23	23	20	23	23	23	20	23	23	23	20	23	23	23
Theoretical shot volume	cu in	13.97	17.25	21.83	26.95	19.16	24.25	29.94	36.23	13.97	17.25	21.83	26.95	19.16	24.25	29.94	36.23	34.73	42.02	50.01	58.69
Max. shot weight (PS)	g	211	260	329	406	289	366	451	546	211	260	329	406	289	366	451	546	524	634	754	885
Max. shot weight (PS)	oz	7.44	9.19	11.63	14.35	10.21	12.92	15.95	19.30	7.44	9.19	11.63	14.35	10.21	12.92	15.95	19.30	18.50	22.39	26.64	31.27
Injection rate into the air	cu in/s	6.95	8.58	10.85	13.40	8.49	10.75	13.27	16.06	8.55	10.55	13.36	16.49	8.49	10.75	13.27	16.06	11.69	14.14	16.83	19.75
Injection rate into the air (PS)	oz/s	3.66	4.52	5.72	7.06	4.48	5.66	6.99	8.46	4.50	5.56	7.04	8.69	4.48	5.66	6.99	8.46	6.16	7.45	8.87	10.41
Specific Injection pressure	psi	39953	32362	25570	20711	40214	31774	25737	21270	39953	32362	25570	20711	40214	31774	25737	21270	37108	30668	25769	21957
Screw stroke	in	8.86				9.84				8.86				9.84				11.42			
Max. injection speed	in/s	4.40				4.36				5.42				4.36				3.84			
Max. Screw speed	r/min	215				221				265				221				210			
Theoretical plasticizing speed (PS)	g/s	14	19	26	34	19.0	27.0	35.0	46.0	16.0	21.0	29.0	37.0	19	27	35	46	33.0	44.0	55.0	69.0
<b>Other</b>																					
System Pressure	psi	2538								2538											
Pump motor	kw	16.4				20.5				20.5				26.7							
Heater power	kw	11.2	12	13.2	14.4	11.4	13	14.6	16.2	11.2	12	13.2	14.4	11.4	13	14.6	16.2	18.5	18.5	21	23
Number of temp. control zones		3+1				4+1				3+1				4+1							
Energy consumption level	kw.h/kg	≤0.4								≤0.4											
Hopper capacity	lbs	110								110											
Oil tank capacity	us gal	61								74											
Machine dimensions (L×W×H)	ft×ft×ft	18.4 × 5.2 × 7.5				18.7 × 5.2 × 7.5				19.4 × 5.6 × 7.9				20.3 × 5.6 × 7.9							
Machine weight	lbs	14330								15432											

. 13. Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

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## Technical Data

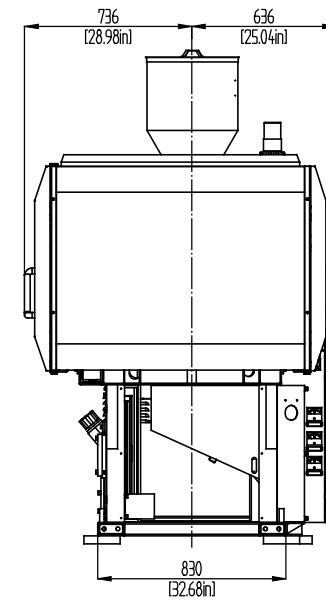
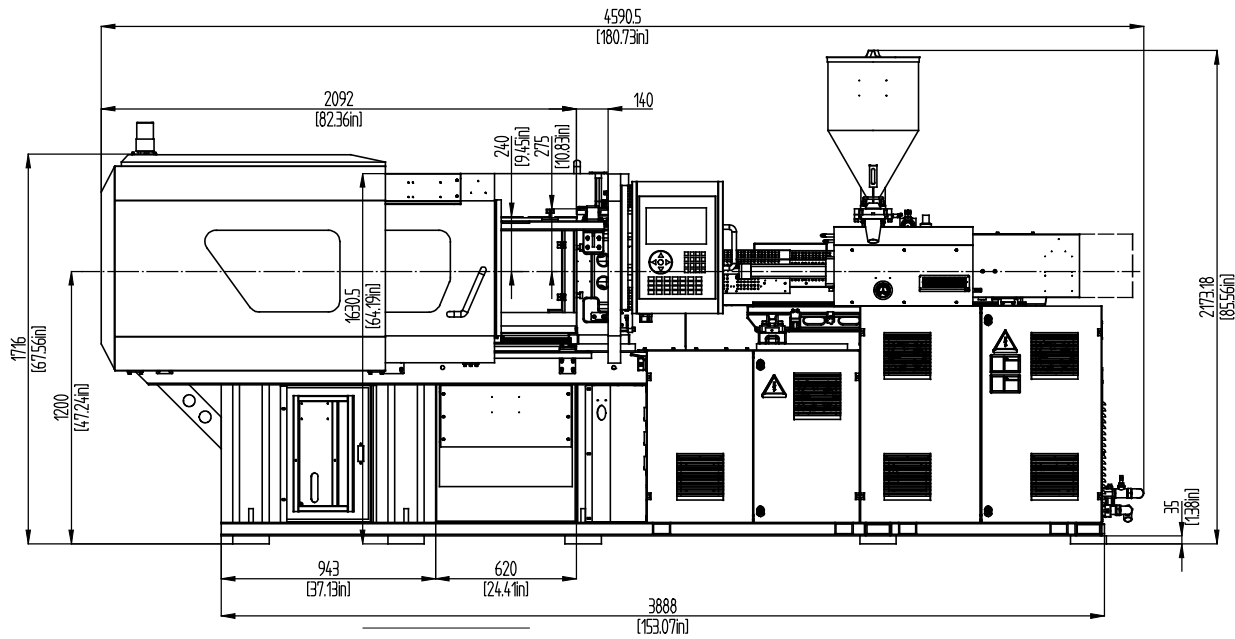
Description	UNIT	BL280EKS/C860				BL280EKS/C1450				BL280EKS/C2050				BL350EKS/C1450				BL350EKS/C2050							
<b>Clamping Unit</b>																									
Clamping force	us ton	309								386															
Opening stroke	in	22.83								25.98															
Distance between tie bars (h×v)	in×in	26.0 x 24.0								28.0 x 26.0															
Platen dimension (h×v)	in×in	36.2 x 34.3								39.4 x 37.4															
Min. mold height	in	9.45								10.63															
Max. mold height	in	26.77								28.35															
Max. daylight	in	49.61								54.33															
Ejector stroke	in	7.48								7.48															
Ejector force forward	us ton	7.5								7.5															
Ejector force back	us ton	4.9								4.9															
Number of ejector ping	pc	13								13															
<b>Injection Unit</b>																									
International specification		860				1450				2050				1450				2050							
Screw specification	mm	AA	A	B	C	AA	A	B	C	A	B	C	D	AA	A	B	C	A	B	C	D				
Screw diameter	mm	40	45	50	55	50	55	60	65	60	65	75	80	50	55	60	65	60	65	75	80				
Screw diameter	in	1.57	1.77	1.97	2.17	1.97	2.17	2.36	2.56	2.36	2.56	2.95	3.15	1.97	2.17	2.36	2.56	2.36	2.56	2.95	3.15				
Screw ratio	L/D	20	23	23	23	20	23	23	23	23	23	23	21.3	20	23	23	23	23	23	23	21.3				
Theoretical shot volume	cu in	19.16	24.25	29.94	36.23	34.73	42.02	50.01	58.69	56.05	65.78	87.57	99.64	34.73	42.02	50.01	58.69	56.05	65.78	87.57	99.64				
Max. shot weight (PS)	g	289	366	451	546	524	634	754	885	845	992	1320	1502	524	634	754	885	845	992	1320	1502				
Max. shot weight (PS)	oz	10.21	12.92	15.95	19.30	18.50	22.39	26.64	31.27	29.86	35.04	46.65	53.08	18.50	22.39	26.64	31.27	29.86	35.04	46.65	53.08				
Injection rate into the air	cu in/s	10.78	13.65	16.85	20.39	11.69	14.14	16.83	19.75	16.52	19.39	25.81	29.36	14.61	17.68	21.04	24.69	16.52	19.39	25.81	29.36				
Injection rate into the air (PS)	oz/s	5.68	7.19	8.88	10.74	6.16	7.45	8.87	10.41	8.70	10.21	13.60	15.47	7.70	9.31	11.09	13.01	8.70	10.21	13.60	15.47				
Specific Injection pressure	psi	40214	31774	25737	21270	37108	30668	25769	21957	32820	27965	21005	18461	37108	30668	25769	21957	32820	27965	21005	18461				
Screw stroke	in	9.84				11.42				12.80				11.42				12.80							
Max. injection speed	in/s	5.54				3.84				3.77				4.80				3.77							
Max. Screw speed	r/min	280				210				175				263				175							
Theoretical plasticizing speed (PS)	g/s	21.0	30.0	39.0	51.0	33	44	55	69	46.0	58.0	85.0	100.0	36.0	48.0	60.0	76.0	46	58	85	100				
<b>Other</b>																									
System Pressure	psi	2538								2538															
Pump motor	kw	26.7								40.9															
Heater power	kw	11.4	13	14.6	16.2	18.5	18.5	21	23	21.8	24	26.2	26.2	18.5	18.5	21	23	21.8	24	26.2	26.2				
Number of temp. control zones		4+1								4+1															
Energy consumption level	kw.h/kg	≤0.4								≤0.4															
Hopper capacity	lbs	110								110															
Oil tank capacity	us gal	92								111															
Machine dimensions (L×W×H)	ft×ft×ft	21.7 x 5.9 x 7.9								23.3 x 5.9 x 7.9								24.3 x 6.6 x 8.2							
Machine weight	lbs	19842								27558															

## Technical Data

Description	UNIT	BL350EKS/C3000				BL470EKS/C2050				BL470EKS/C3000				BL470EKS/C3700				BL550EKS/C3000			
<b>Clamping Unit</b>																					
Clamping force	us ton	386								518								606			
Opening stroke	in	25.98								29.53								33.46			
Distance between tie bars (h×v)	in×in	28.0 × 26.0								31.9 × 29.9								33.9 × 31.5			
Platen dimension (h×v)	in×in	39.4 × 37.4								44.9 × 41.7								47.2 × 44.9			
Min. mold height	in	10.63								11.81								13.78			
Max. mold height	in	28.35								32.28								34.65			
Max. daylight	in	54.33								61.81								68.11			
Ejector stroke	in	7.48								8.27								8.66			
Ejector force forward	us ton	7.5								12.8								12.8			
Ejector force back	us ton	4.9								7.9								7.9			
Number of ejector ping	pc	13								17								17			
<b>Injection Unit</b>																					
International specification		3000				2050				3000				3700				3000			
Screw specification	mm	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Screw diameter	mm	70	75	85	90	60	65	75	80	70	75	85	90	75	80	90	95	70	75	85	90
Screw diameter	in	2.76	2.95	3.35	3.54	2.36	2.56	2.95	3.15	2.76	2.95	3.35	3.54	2.95	3.15	3.54	3.74	2.76	2.95	3.35	3.54
Screw ratio	L/D	23	23	23	21.5	23	23	23	21.3	23	23	23	21.5	23	23	23	21.7	23	23	23	21.5
Theoretical shot volume	cu in	86.85	99.70	128.06	143.57	56.05	65.78	87.57	99.64	86.85	99.70	128.06	143.57	111.83	127.23	161.03	179.42	86.85	99.70	128.06	143.57
Max. shot weight (PS)	g	1309	1503	1931	2164	845	992	1320	1502	1309	1503	1931	2164	1686	1918	2428	2705	1309	1503	1931	2164
Max. shot weight (PS)	oz	46.27	53.11	68.22	76.48	29.86	35.04	46.65	53.08	46.27	53.11	68.22	76.48	59.57	67.78	85.78	95.58	46.27	53.11	68.22	76.48
Injection rate into the air	cu in/s	22.02	25.28	32.47	36.41	20.65	24.23	32.26	36.71	22.02	25.28	32.47	36.41	27.49	31.28	39.59	44.11	26.43	30.34	38.97	43.69
Injection rate into the air (PS)	oz/s	11.60	13.32	17.11	19.18	10.88	12.77	17.00	19.34	11.60	13.32	17.11	19.18	14.49	16.48	20.86	23.24	13.93	15.99	20.53	23.02
Specific Injection pressure	psi	30769	26803	20867	18613	32820	27965	21005	18461	30769	26803	20867	18613	29578	25996	20540	18435	30769	26803	20867	18613
Screw stroke	in	14.57				12.80				14.57				16.34				14.57			
Max. injection speed	in/s	3.69				4.71				3.69				4.02				4.43			
Max. Screw speed	r/min	164				219				164				158				197			
Theoretical plasticizing speed (PS)	g/s	66.0	79.0	111.0	129.0	51.0	64.0	93.0	110.0	66	79	111	129	76.0	90.0	124.0	144.0	72.0	86.0	122.0	140.0
<b>Other</b>																					
System Pressure	psi	2538								2538								2538			
Pump motor	kw	50.7								50.7								40.9+16.4			
Heater power	kw	27	29.2	31.4	31.4	21.8	24	26.2	26.2	27	29.2	31.4	31.4	32	35.5	37.5	37.5	27	29.2	31.4	31.4
Number of temp. control zones		4+1								4+1								5+1			
Energy consumption level	kw.h/kg	≤0.4								≤0.4								≤0.4			
Hopper capacity	lbs	110								110								220			
Oil tank capacity	us gal	111								132								198			
Machine dimensions (L×W×H)	ft×ft×ft	25.6 × 6.6 × 8.2								26.6 × 7.2 × 8.2								28.2 × 7.2 × 8.2			
Machine weight	lbs	27558								35274								44092			

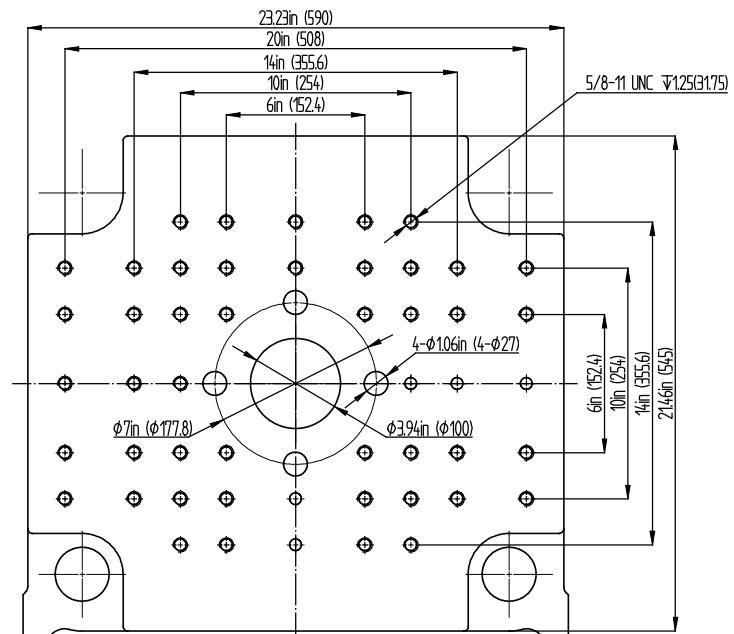
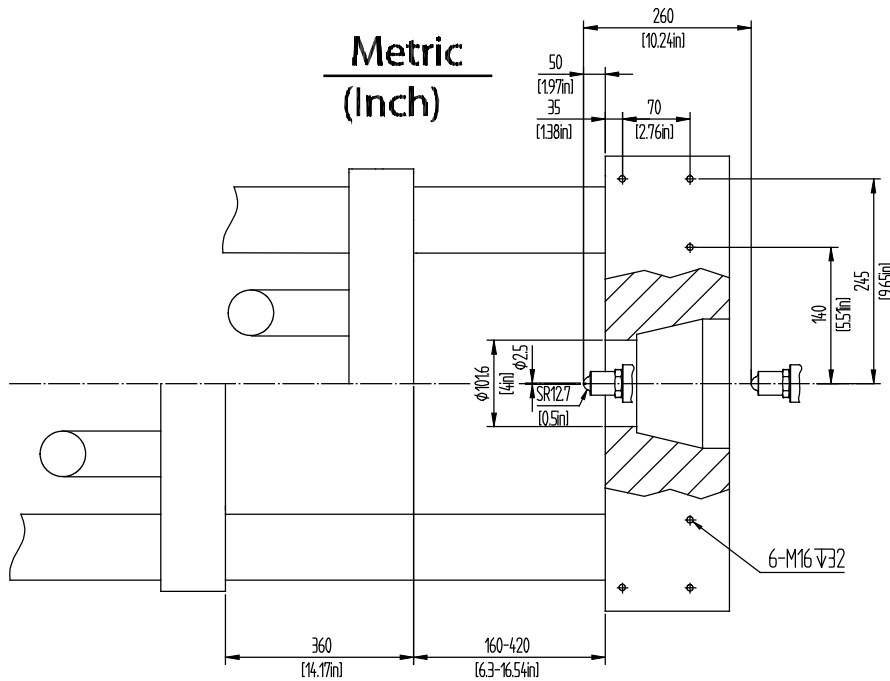
## Technical Data

Description	UNIT	BL550EKS/C3700				BL550EKS/C4800				BL650EKS/C3700				BL650EKS/C4800				BL650EKS/C5900			
<b>Clamping Unit</b>																					
Clamping force	us ton	606								716											
Opening stroke	in	33.46								37.40											
Distance between tie bars (h×v)	in×in	33.9 x 31.5								37.8 x 33.9											
Platen dimension (h×v)	in×in	47.2 x 44.9								52.6 x 48.6											
Min. mold height	in	13.78								15.75											
Max. mold height	in	34.65								39.37											
Max. daylight	in	68.11								76.77											
Ejector stroke	in	8.66								9.45											
Ejector force forward	us ton	12.8								17.0											
Ejector force back	us ton	7.9								12.1											
Number of ejector ping	pc	17								21											
<b>Injection Unit</b>																					
International specification		3700				4800				3700				4800				5900			
Screw specification	mm	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Screw diameter	mm	75	80	90	95	80	85	90	100	75	80	90	95	80	85	90	100	80	90	100	110
Screw diameter	in	2.95	3.15	3.54	3.74	3.15	3.35	3.54	3.94	2.95	3.15	3.54	3.74	3.15	3.35	3.54	3.94	3.15	3.54	3.94	4.33
Screw ratio	L/D	23	23	23	21.7	23	23	23	20.7	23	23	23	21.7	23	23	23	20.7	23	23	23	21
Theoretical shot volume	cu in	111.8	127.2	161.0	179.4	139.5	157.5	176.5	218.0	111.8	127.2	161.0	179.4	139.5	157.5	176.5	218.0	153.3	194.0	239.5	289.8
Max. shot weight (PS)	g	1686	1918	2428	2705	2103	2374	2662	3286	1686	1918	2428	2705	2103	2374	2662	3286	2311	2925	3611	4369
Max. shot weight (PS)	oz	59.57	67.78	85.78	95.58	74.31	83.89	94.05	116.11	59.57	67.78	85.78	95.58	74.31	83.89	94.05	116.11	81.66	103.35	127.60	154.39
Injection rate into the air	cu in/s	27.49	31.28	39.59	44.11	31.15	35.16	39.42	48.67	32.07	36.49	46.19	51.46	31.15	35.16	39.42	48.67	33.36	42.22	52.12	63.07
Injection rate into the air (PS)	oz/s	14.49	16.48	20.86	23.24	16.41	18.53	20.77	25.64	16.90	19.23	24.34	27.12	16.41	18.53	20.77	25.64	17.58	22.25	27.47	33.23
Specific Injection pressure	psi	29578	25996	20540	18435	30458	26980	24066	19493	29578	25996	20540	18435	30458	26980	24066	19493	33313	26322	21321	17620
Screw stroke	in	16.34				17.91				16.34				17.91				19.69			
Max. injection speed	in/s	4.02				4.00				4.69				4.00				4.28			
Max. Screw speed	r/min	158				153				184				153				139			
Theoretical plasticizing speed (PS)	g/s	76	90	124	144	88.0	103.0	121.0	163.0	80.0	94.0	130.0	151.0	88	103	121	163	80.0	109.0	148.0	189.0
<b>Other</b>																					
System Pressure	psi	2538								2538											
Pump motor	kw	40.9+16.4				50.7+16.4				50.7+16.4				50.7+26.7							
Heater power	kw	32	35.5	37.5	37.5	36	38.3	40.6	40.6	32	35.5	37.5	37.5	36	38.3	40.6	40.6	43	48.5	54	59.5
Number of temp. control zones		5+1								5+1											
Energy consumption level	kw.h/kg	≤0.4								≤0.4											
Hopper capacity	lbs	220								220											
Oil tank capacity	us gal	198								225											
Machine dimensions (L×W×H)	ft×ft×ft	29.5 x 7.5 x 9.5				30.2 x 7.5 x 9.5				31.8 x 7.9 x 9.8				33.1 x 7.9 x 9.8							
Machine weight	lbs	44092								55116											

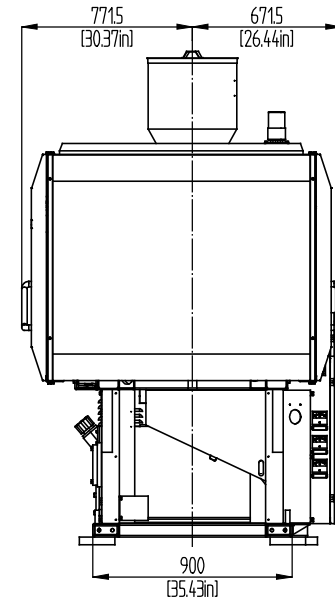
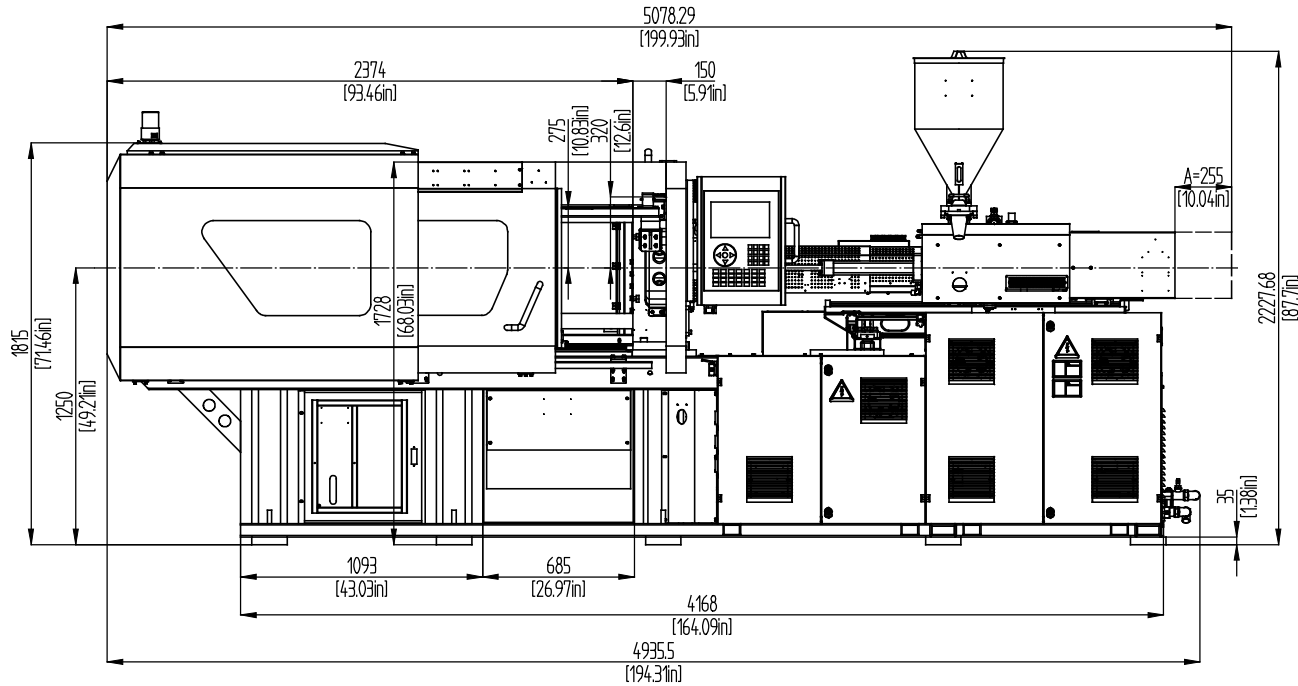


Inch/Metric

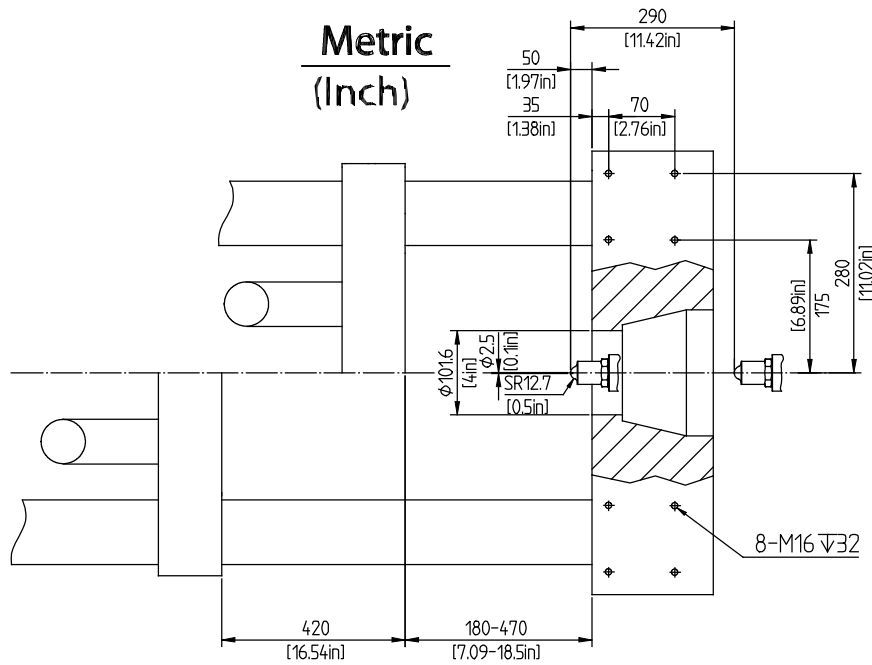
Metric  
(Inch)



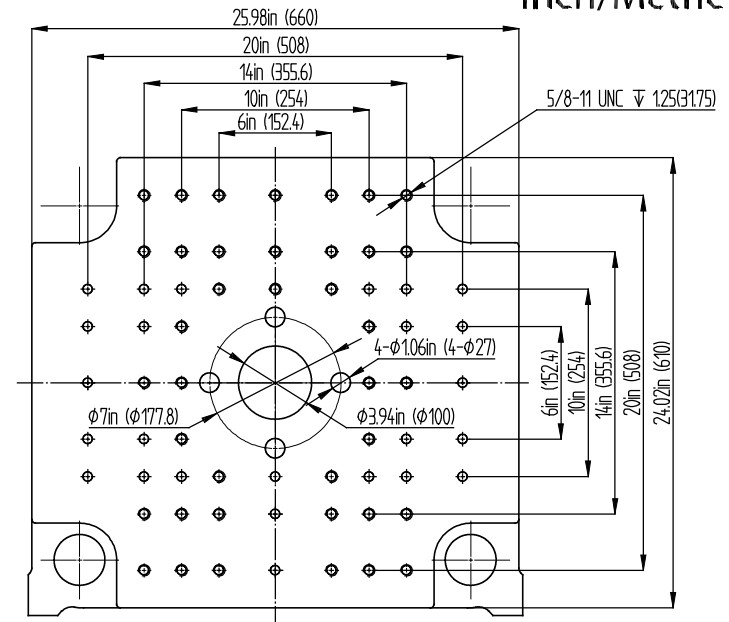
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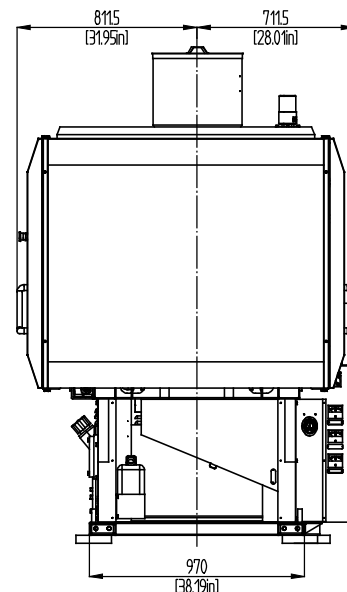
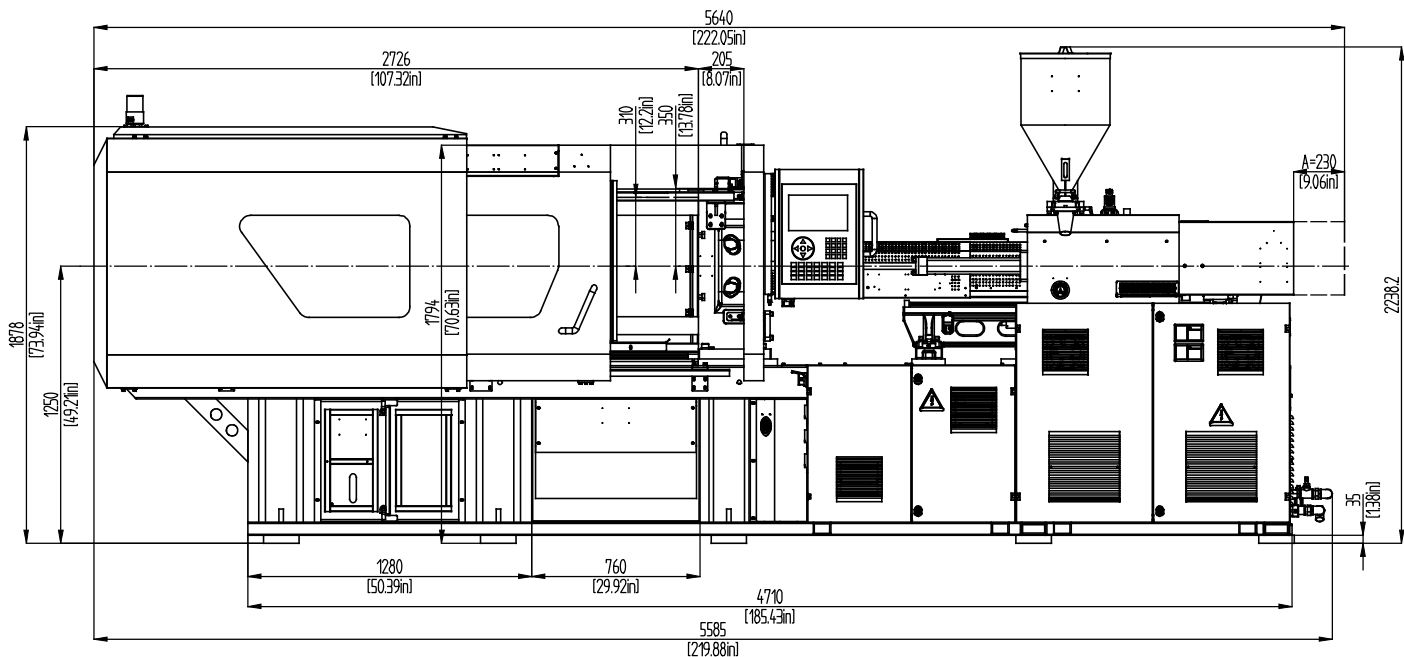


**Metric  
(Inch)**



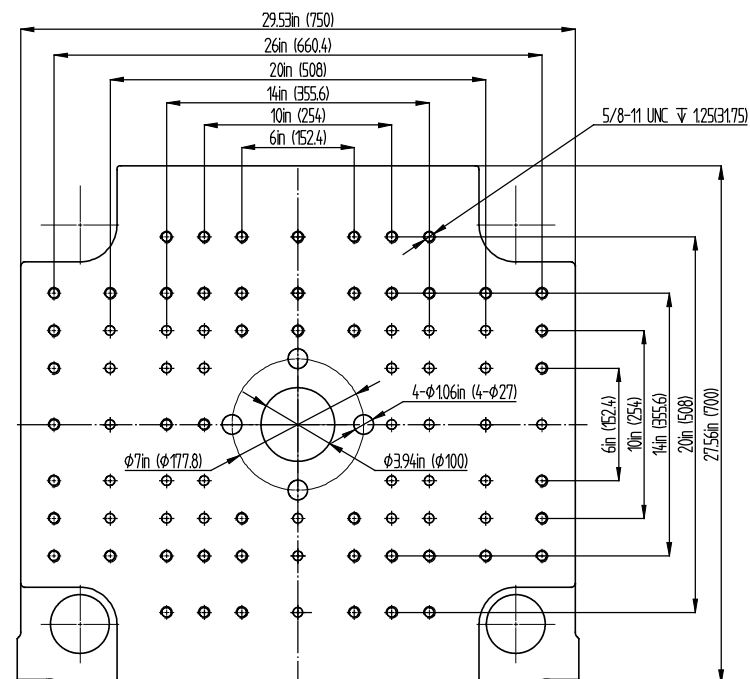
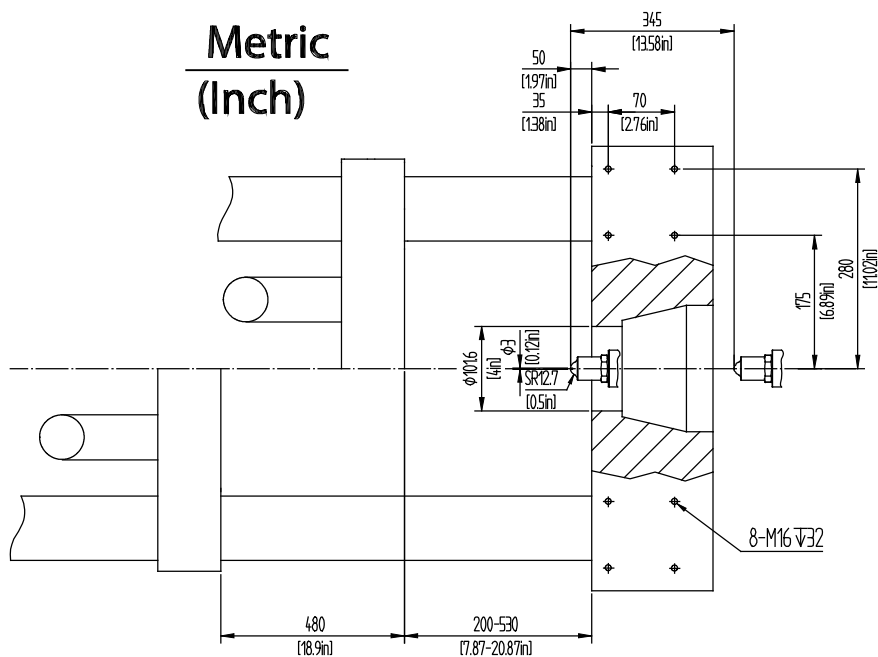
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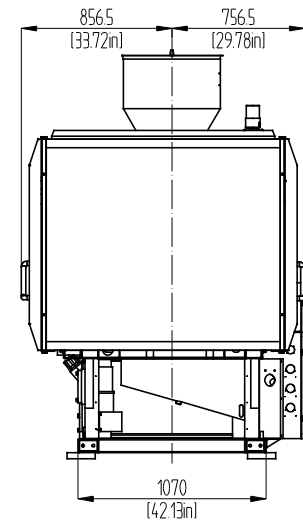
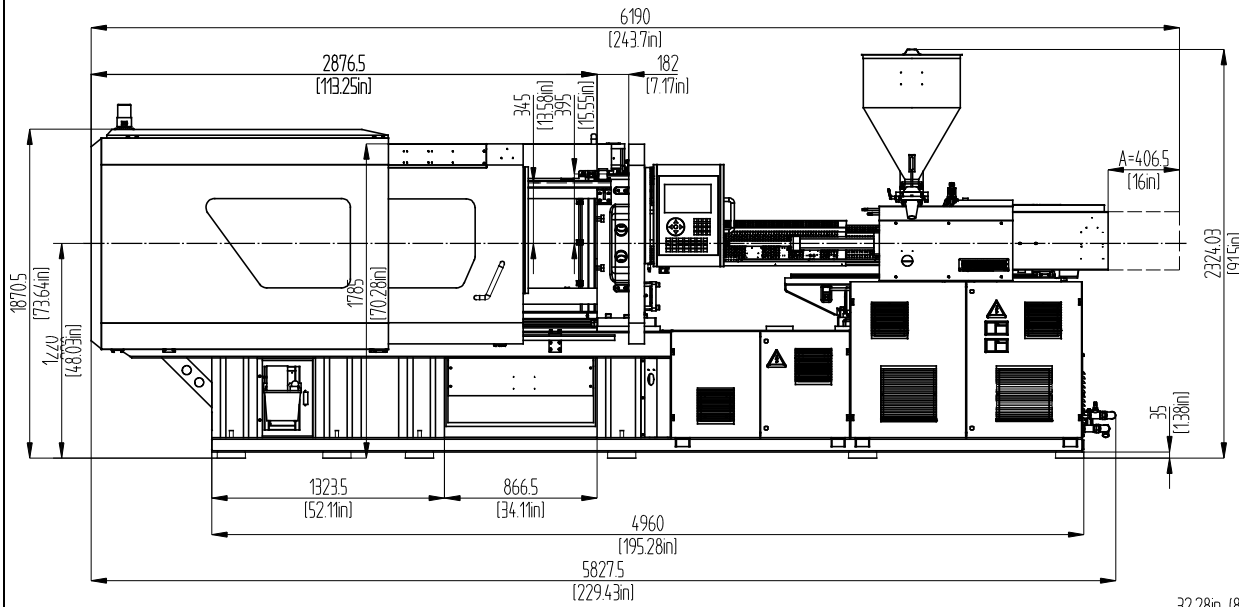


Inch/Metric

Metric  
(Inch)

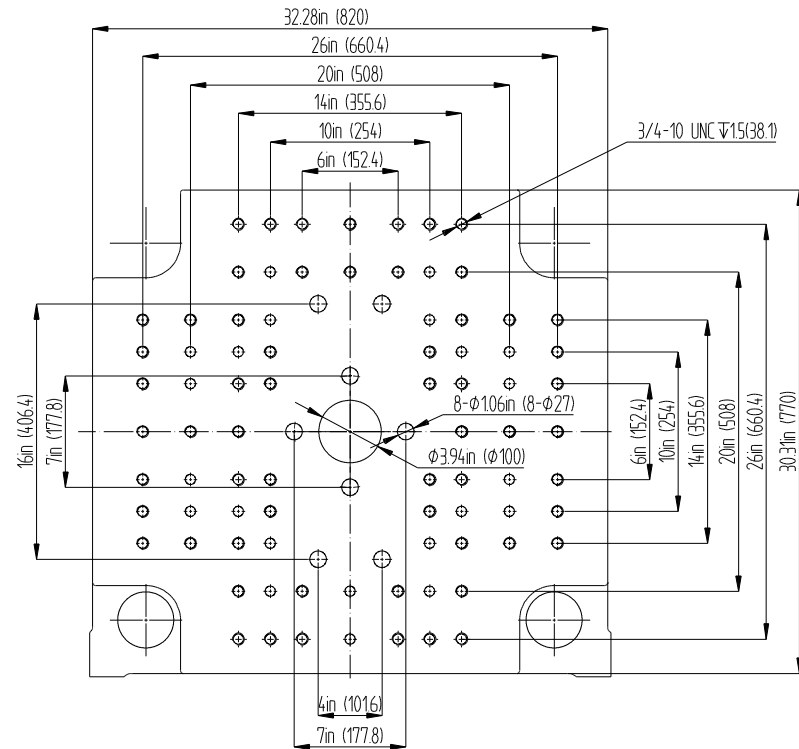
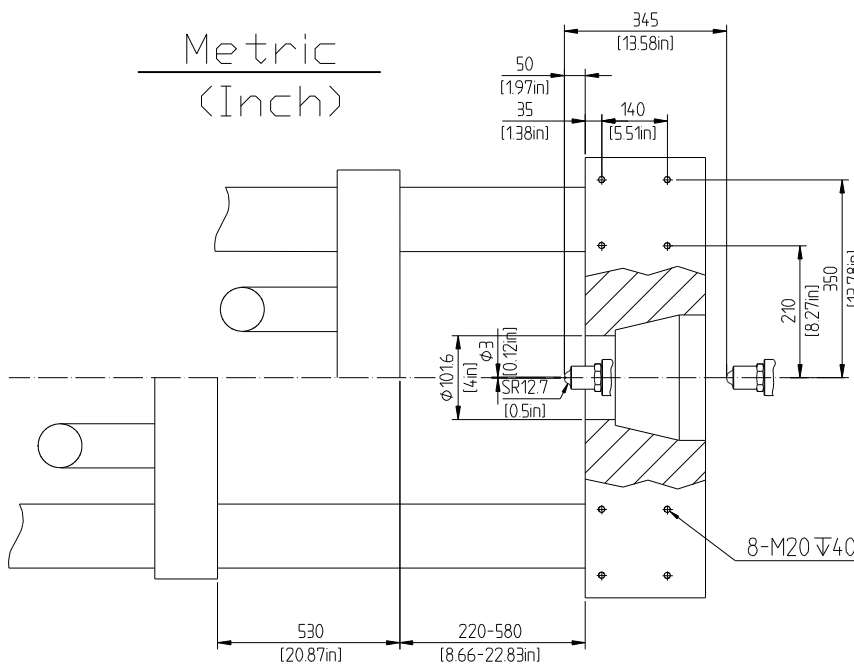


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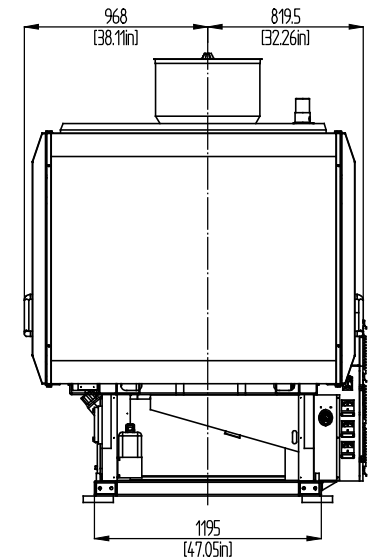
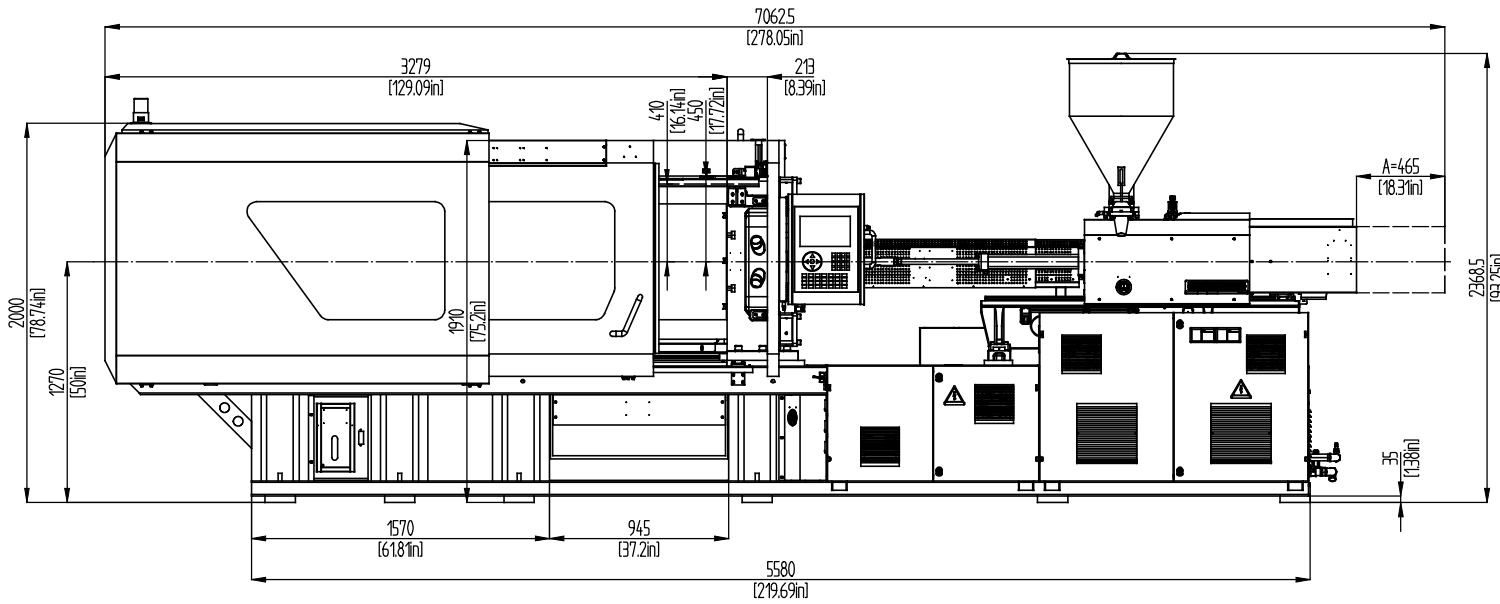


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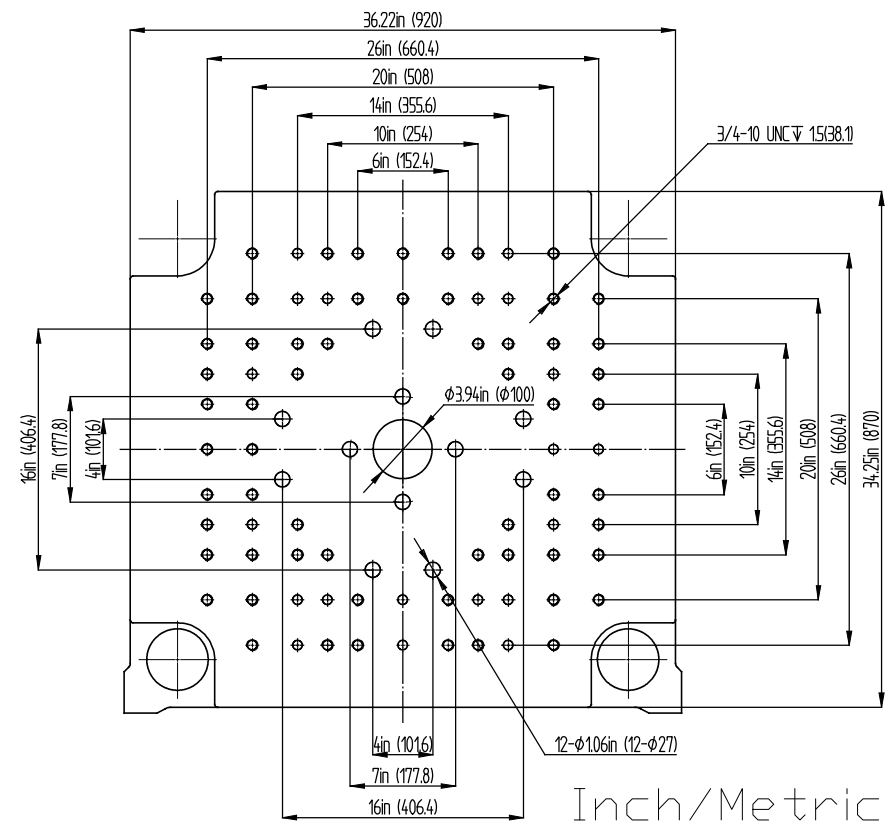
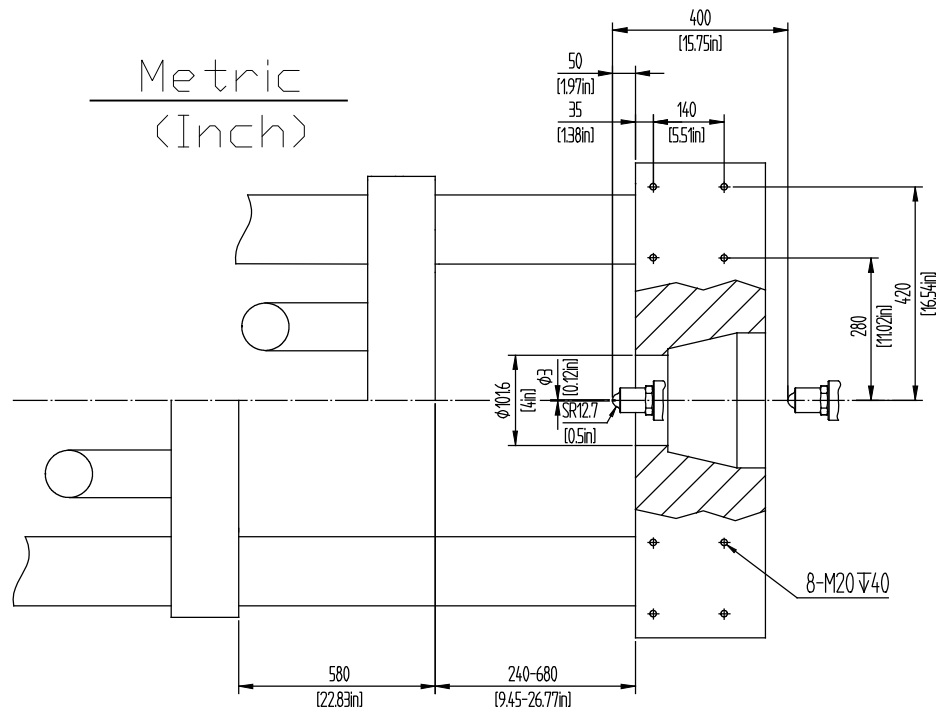
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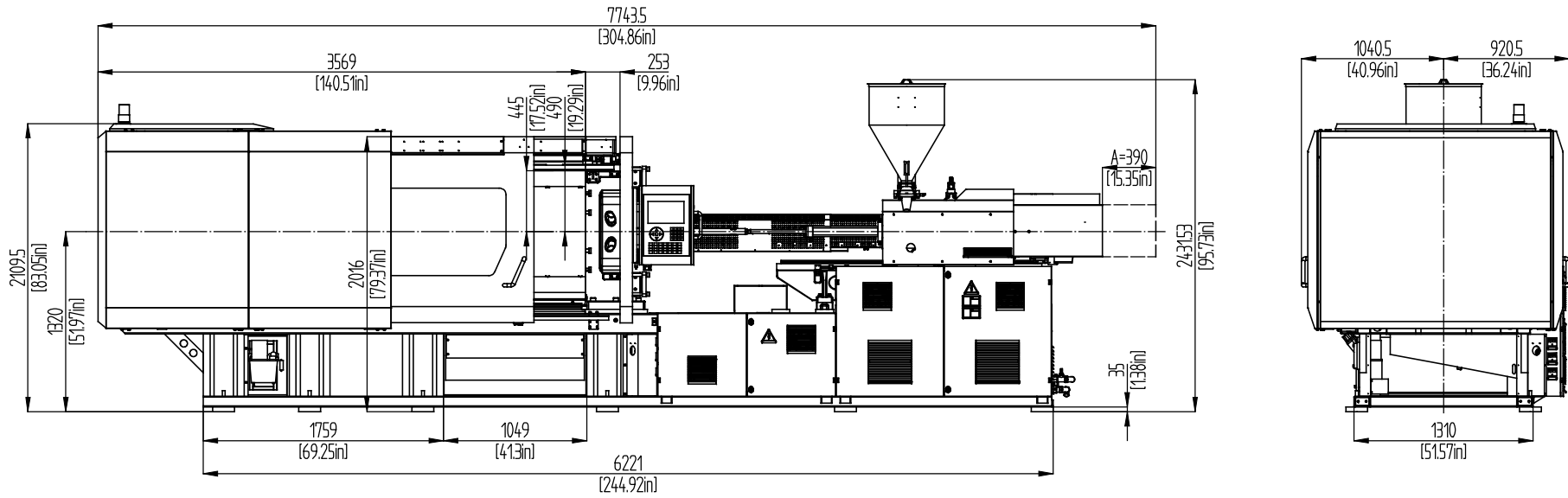




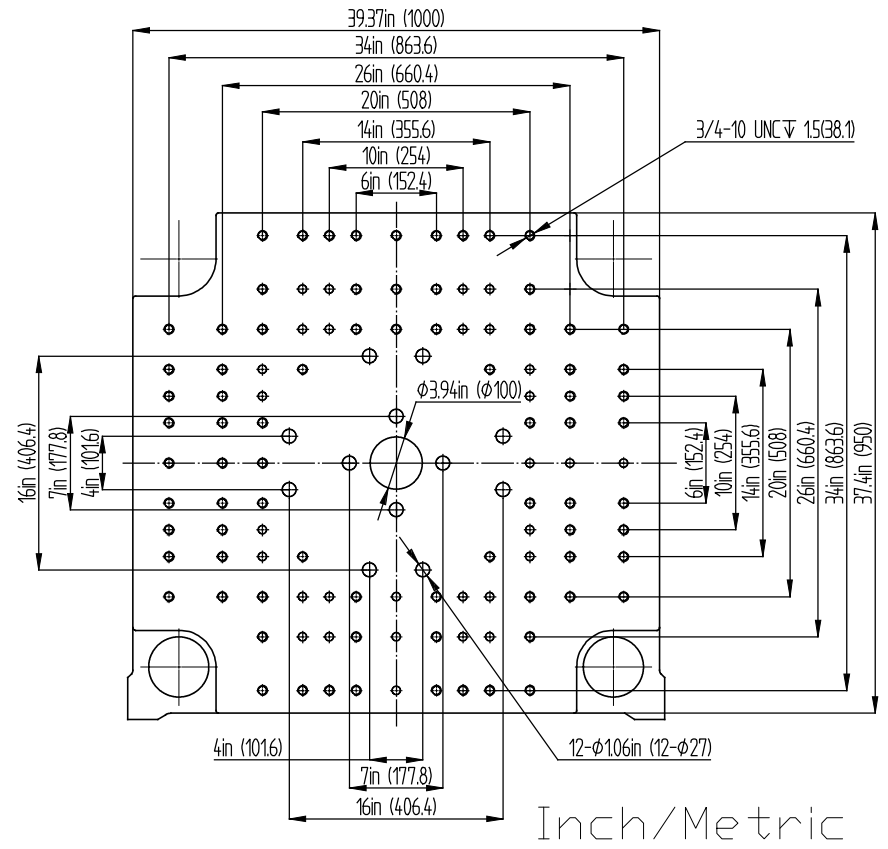
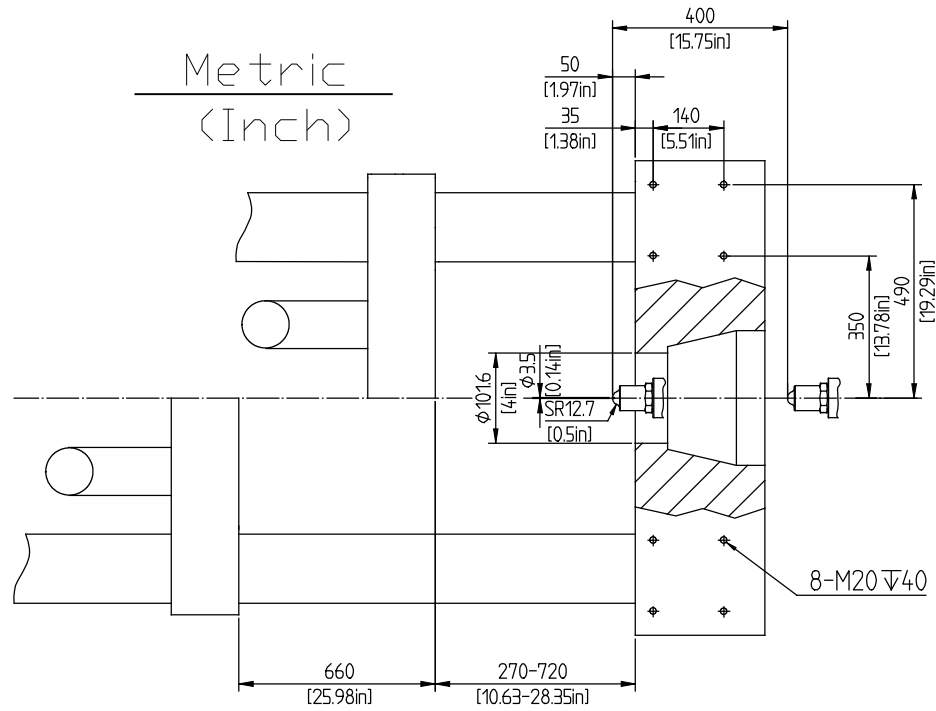
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Inch/Metric

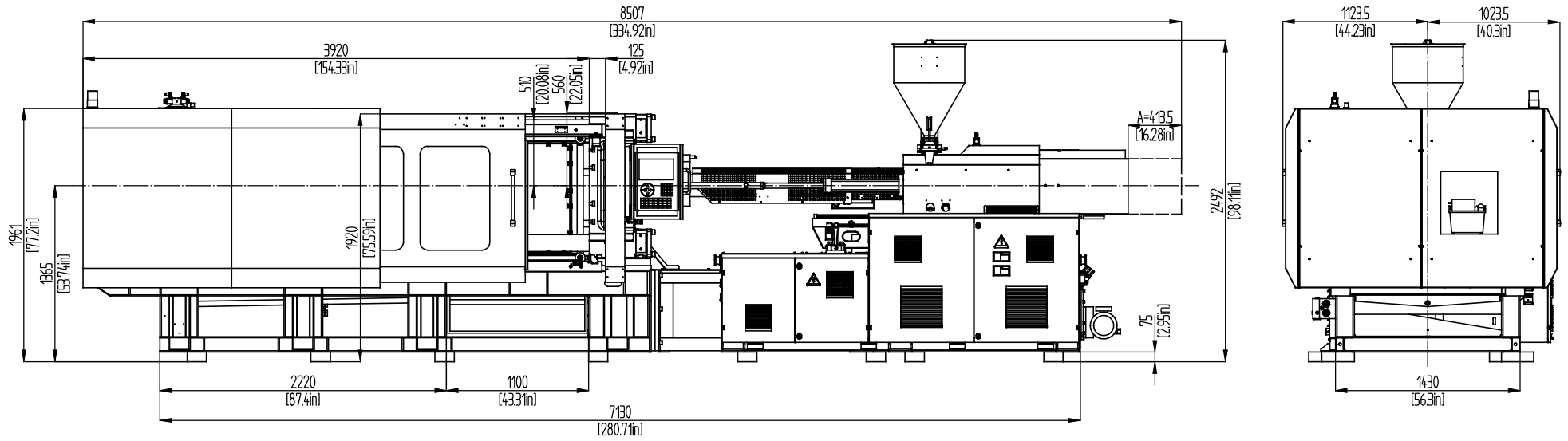


Metric  
(Inch)

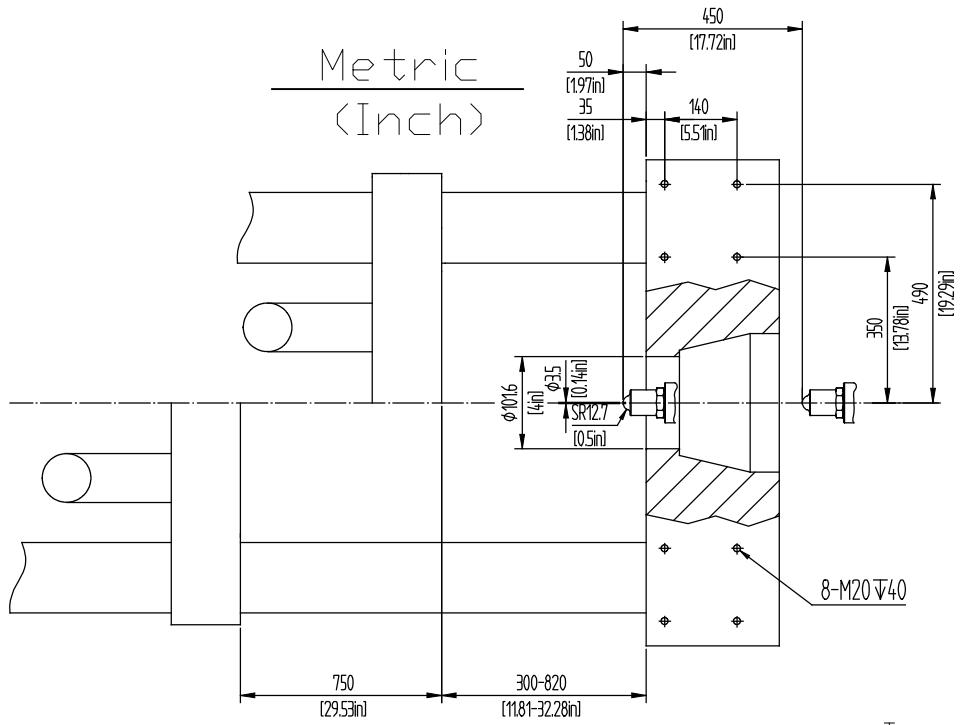


Inch/Metric

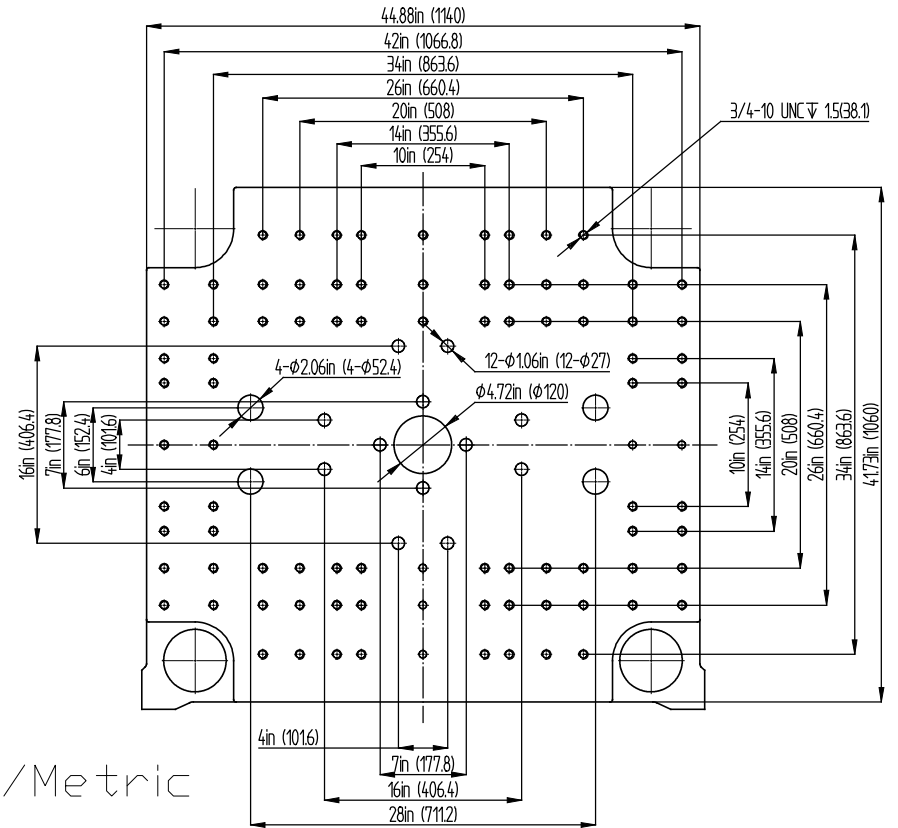
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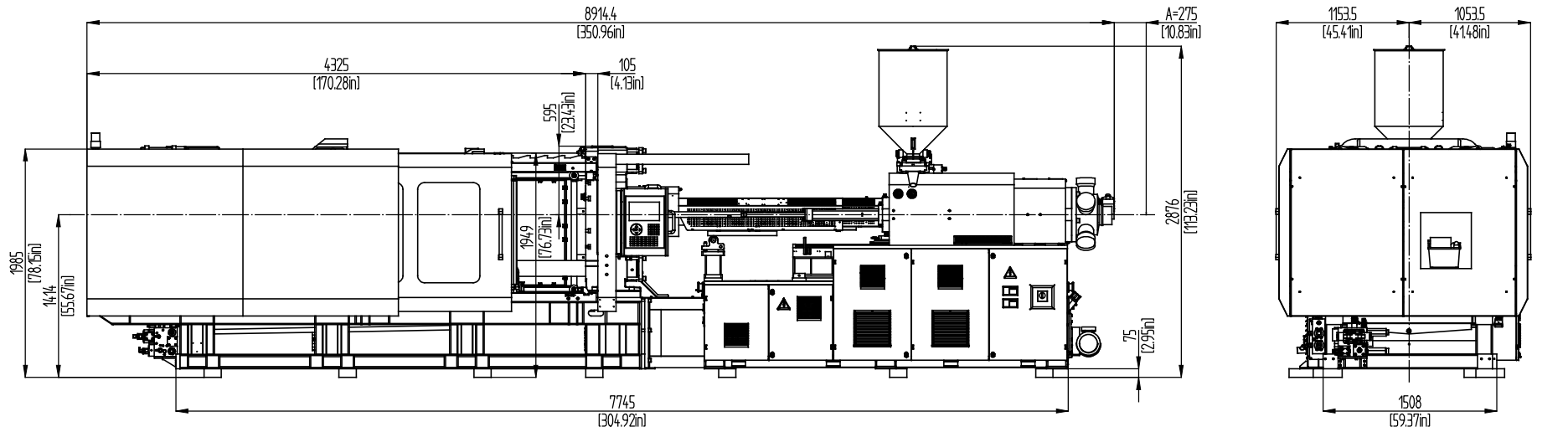
Metric  
(Inch)



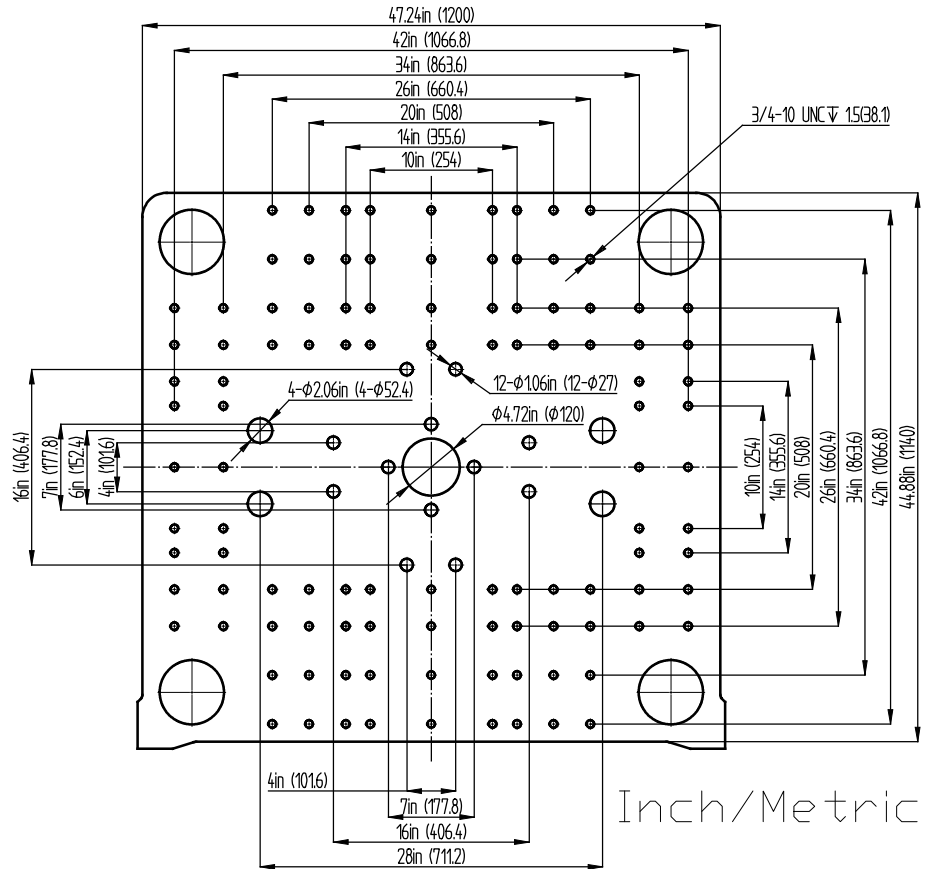
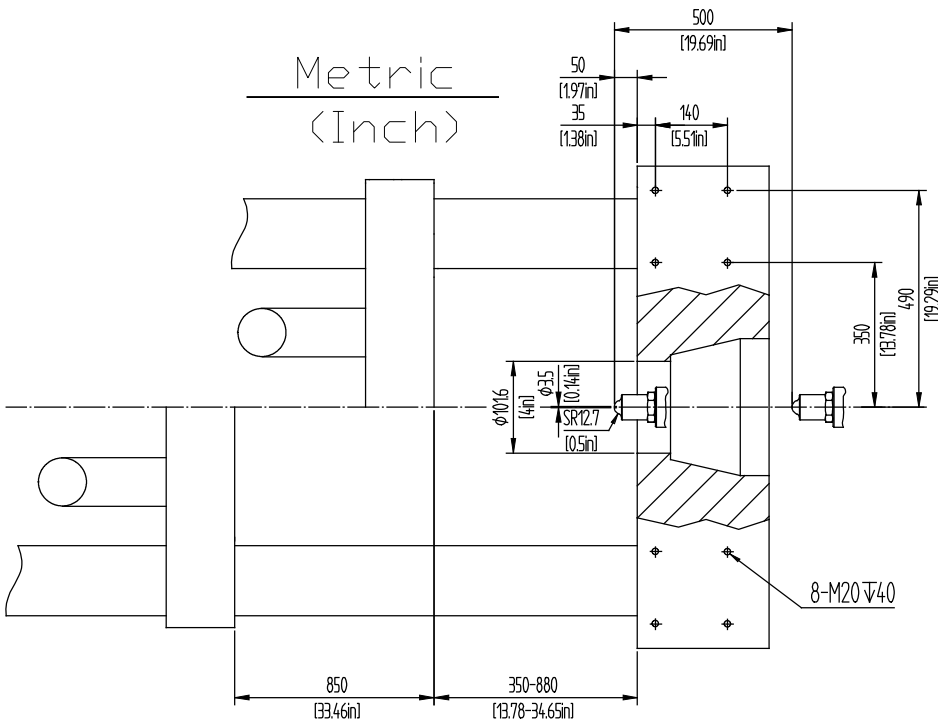
Inch/Metric



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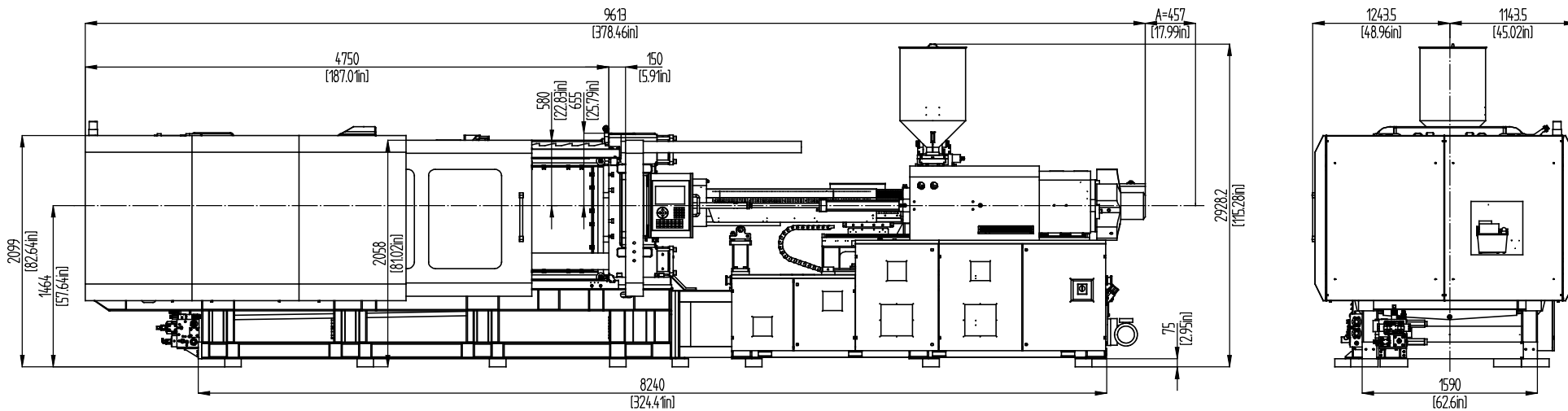


Metric  
(Inch)

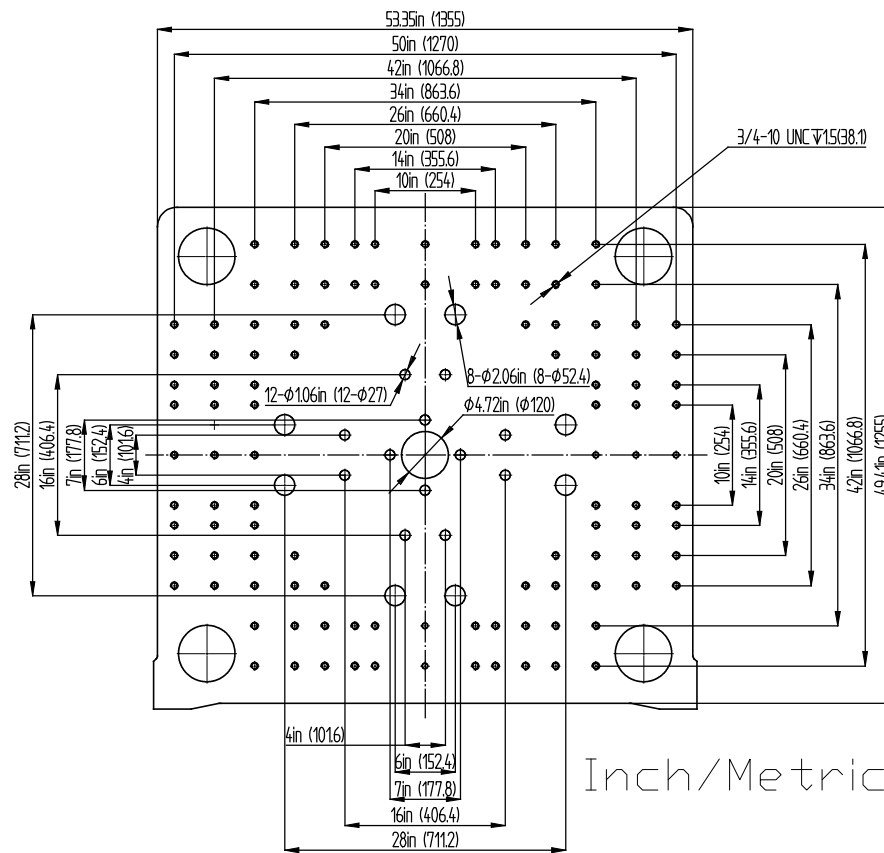
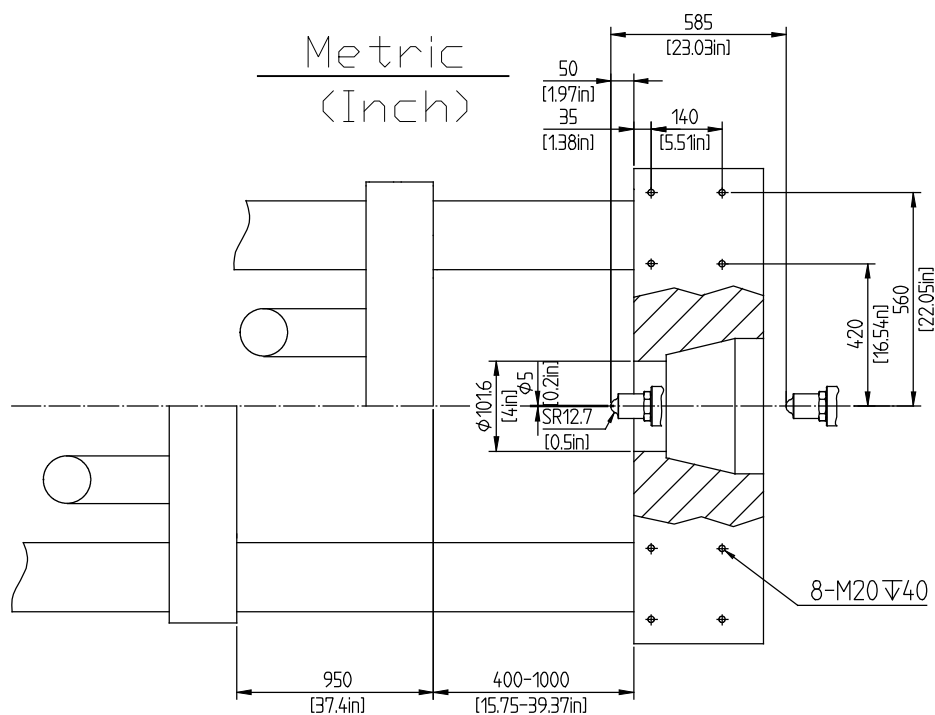


Inch/Metric

# BL650EKS



Metric  
(Inch)



Inch/Metric