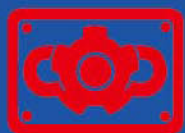


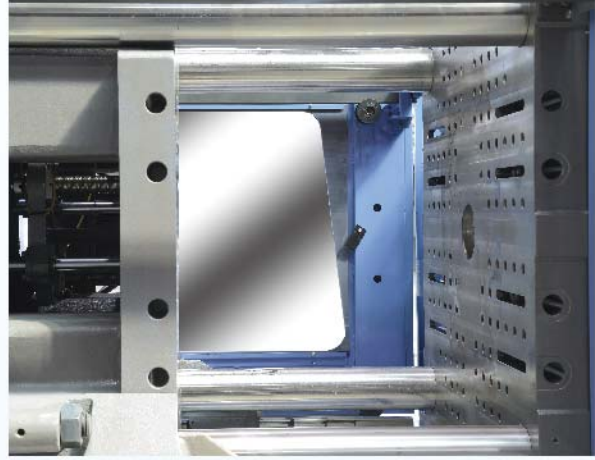
# HEW-Series

Electric-Servo Series



# HWA CHIN

## Products Features



### **OPTIMIZE CLAMPING UNIT**

1. DESIGN WITH CONTACTLESS BETWEEN TIE BAR AND MOLD PLATE TO REDUCE THE ENERGY CONSUMPTION.
  2. UTILIZATION OF HEAVY-LOAD, HIGH-RIGIDITY BALL SCREW TO EXTEND THE USAGE TIME .
  3. OSLACK INCREASES THE STRENGTH OF PLATEN INSTEAD OF TSLACK EASY TO FIX MOLD AND PROTECT SLACK FROM DAMAGE.
- PATENTED IN GERMANY, JAPAN , CHINA ...ETC



### **PRECISION INJECTION UNIT**

HIGH-PRECISION, HIGHLY RESPONSIVE PRESSURE SENSOR ENSURES ACCURATE CONTROL AND PROTECTION.



## LATEST SPECIALIZED MICROCOMPUTER CONTROL SYSTEM

1. 15-inch TOUCHSCREEN PANEL AND THREE-DIMENSIONAL BUTTONS.
2. INTUITIVE GRAPHIC CONTROL FOR EASY OPERATION.
3. DISTRIBUTED CONTROL ARCHITECTURE TO UPGRADE SYSTEM PERFORMANCE.
4. INTELLIGENT INJECTION CONTROL FUNCTIONS BUILT INTO THE DRIVE TO EFFECTIVELY UPGRADE INJECTION MOLDING MACHINE APPLICATIONS.
5. SUPPORT FOR OPC UA / EUROMAP77 FOR NETWORKING SERVICE TO ACHIEVE INDUSTRY 4.0.



## PRECISION AND STABLE LINEAR SLIDE



1. ADOPTS HIGH PRECISION LINEAR GUILDE FOR BOTH CLAMPING AND INJECTION TO EFFECTIVELY REDUCE FRICTIONAL RESISTANCE.
2. UPGRADE ACTION WITH SMOOTHNESS, STABILITY AND PRECISION.

## AUTOMATIC LUBRICATION SYSTEM

PROVIDES EFFECTIVE LUBRICATION FOR BALL SCREW, SIGNIFICANTLY REDUCING WEAR AND THE RISK OF MANUAL MAINTENANCE.



# HEW-Series Specification

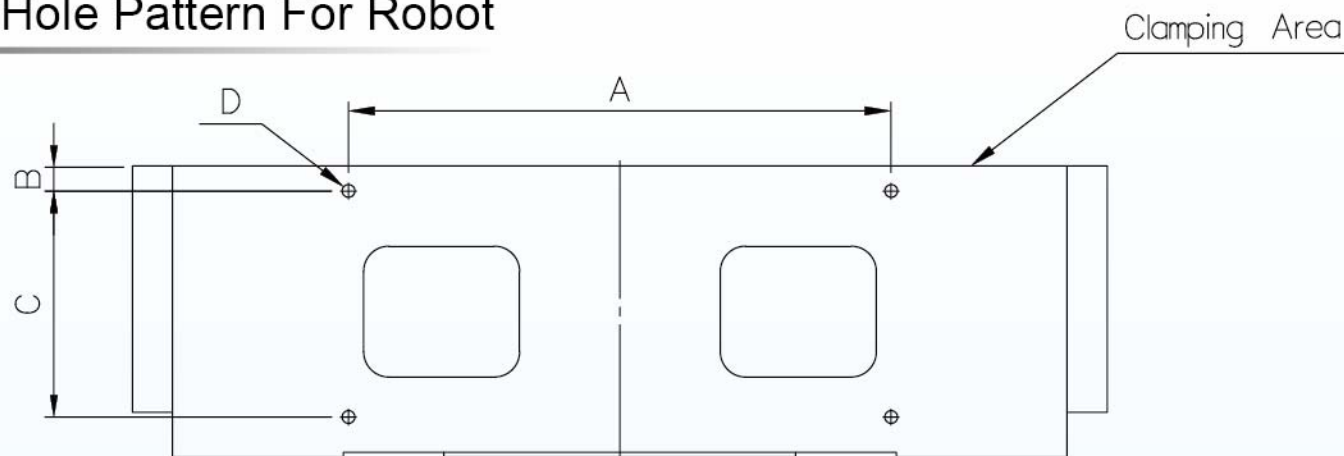
Machine Model		HEW-90						HEW-130						HEW-180					
Clamping Force	ton	90						130						180					
Clamping Stroke	mm	340						400						480					
Tie Bar Clearance(HxV)	mm	420x410						530x520						590x580					
Platen Size	mm	600x590						710x690						830x820					
Range of Mold Height	mm	150-510						150-550						200-600					
Ejector Stroke	mm	110						110						130					
Injector Unit		I3			I5			I5			I7			I7			I9		
Screw Diameter	mm	20	24	28	28	32	36	28	32	36	32	36	40	32	36	40	36	40	46
Screw Stroke	mm	100			145			145			160			160			185		
Injection Pressure	kg/cm <sup>2</sup>	3437	2387	1753	2873	2200	1738	2873	2200	1738	2784	2200	1782	2784	2200	1782	2716	2200	1663
Theoretical Shot Volume	cm <sup>3</sup>	31	45	61	89	116	147	89	116	147	128	162	201	128	162	201	188	232	307
Shot Weight(PS)	g	27	40	54	79	103	131	79	103	131	114	145	180	114	145	180	168	207	275
Injection Rate	cm <sup>3</sup> /sec	94	136	184.7	184.7	241.2	305.3	184.7	241.2	305.3	241.2	305.3	376.9	241.2	305.3	376.9	254.4	314.1	415.4
Injection Speed	mm/sec	300			300			300			300			300			250		
Screw Rotating Speed	rpm	0-300			0-300			0-300			0-300			0-300			0-300		
Heater Capacity	kW	3.4	4.1	5.3	5.3	6	6.8	5.3	6	6.8	6	6.8	7.5	6	6.8	7.5	7.4	8.3	9.5
Machine Size(LxWxH)	M	4.6x1.2x1.7			4.7x1.2x1.7			5.0x1.3x1.8			5.1x1.3x1.8			5.5x1.6x1.9			5.7x1.6x1.9		
Net Weight	ton	4.0			4.2			5.0			5.3			7.5			7.7		

Machine Model		HEW-230						HEW-280						HEW-350					
Clamping Force	ton	230						280						350					
Clamping Stroke	mm	550						600						700					
Tie Bar Clearance(HxV)	mm	650x590						730x670						810x750					
Platen Size	mm	930x870						1020x960						1110x1050					
Range of Mold Height	mm	250-680						250-730						350-800					
Ejector Stroke	mm	150						150						200					
Injector Unit		I9			IA			IA			IB			IB			IC		
Screw Diameter	mm	36	40	46	40	46	50	40	46	50	46	50	55	46	50	55	50	55	60
Screw Stroke	mm	185			200			200			220			220			240		
Injection Pressure	kg/cm <sup>2</sup>	2716	2200	1663	2909	2200	1862	2909	2200	1862	2599	2200	1818	2599	2200	1818	2660	2200	1848
Theoretical Shot Volume	cm <sup>3</sup>	188	232	307	251	332	392	251	332	392	365	431	522	365	431	522	471	570	678
Shot Weight(PS)	g	168	207	275	224	297	351	224	297	351	327	386	467	327	386	467	422	510	607
Injection Rate	cm <sup>3</sup> /sec	254.4	314.1	415.4	251.2	332.3	392.6	251.2	332.3	392.6	265.9	314.2	380.1	265.9	314.2	380.1	314.2	380.1	452.4
Injection Speed	mm/sec	250			200			200			160			160			160		
Screw Rotating Speed	rpm	0-300			0-250			0-250			0-250			0-250			0-250		
Heater Capacity	kW	7.4	8.3	9.5	9.0	10.3	11.2	9.0	10.3	11.2	11.1	12.1	13.3	11.1	12.1	13.3	12.1	13.3	14.5
Machine Size(LxWxH)	M	6.2x2.0x2.0			6.6x2.0x2.0			6.7x2.0x2.1			7.0x2.0x2.1			7.8x2.2x2.2			8.5x2.2x2.2		
Net Weight	ton	10.2			10.5			12.0			12.4			16.1			17.0		

1. Injection weight is calculated by PS material.
2. Design and specification are subject to change without prior notice.



# Hole Pattern For Robot



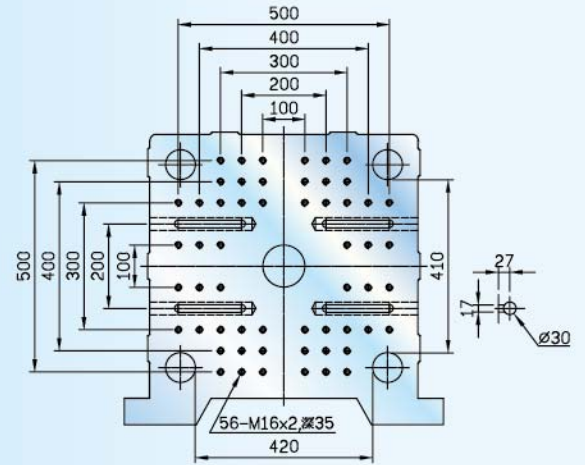
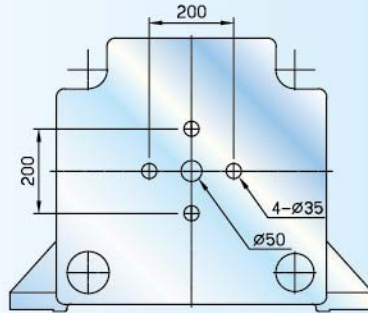
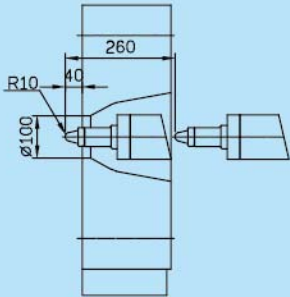
Model \ Item	A	B	C	D
HEW-90	300	30	130	4-M12, D25
HEW-130	300	30	170	4-M16, D35
HEW-180	350	30	190	4-M16, D35
HEW-230	350	40	210	4-M20, D40
HEW-280	350	40	240	4-M20, D40
HEW-350	400	40	240	4-M20, D40

# DEW-Series Dual Color Electric-Servo Specification

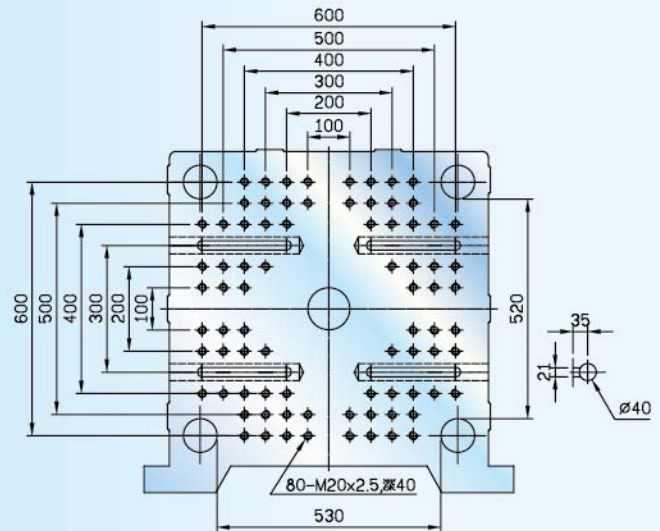
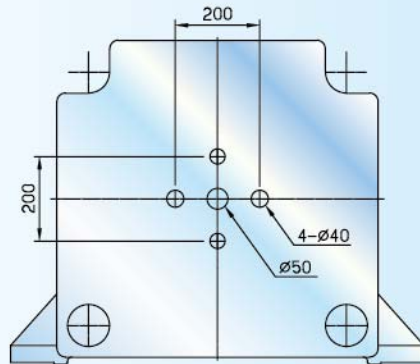
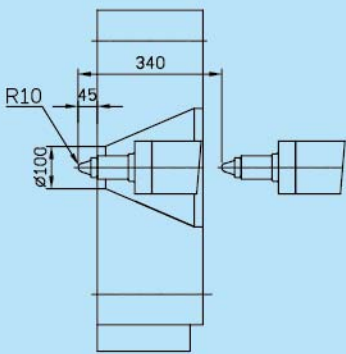
Machine Model		DEW-150												DEW-230											
Clamping Force	ton	150												230											
Clamping Stroke	mm	440												520											
Tie Bar Clearance(HxV)	mm	660x360												920x560											
Platen Size	mm	870x570												1290x850											
Range of Mold Height	mm	95-445												150-560											
Ejector Stroke	mm	130												150											
Injector Unit		Primary side						Secondary side						Primary side						Secondary side					
		I3			I5			I3			I5			I5			I7			I5			I7		
Screw Diameter	mm	20	24	28	28	32	36	20	24	28	28	32	36	28	32	36	32	36	40	28	32	36	32	36	40
Screw Stroke	mm	100			145			100			145			145			160			145			160		
Injection Pressure	kg/cm <sup>2</sup>	3437	2387	1753	2873	2200	1738	3437	2387	1753	2873	2200	1738	2873	2200	1738	2784	2200	1782	2873	2200	1738	2784	2200	1782
Theoretical Shot Volume	cm <sup>3</sup>	31.4	45.2	61.5	89	116	147	31.4	45.2	61.5	89	116	147	89	116	147	128	162	201	89	116	147	128	162	201
Shot Weight(PS)	g	28.2	40.7	55.4	79	103	131	28.2	40.7	55.4	79	103	131	79	103	131	114	145	180	79	103	131	114	145	180
Injection Rate	cm <sup>3</sup> /sec	63	91	123	123	161	203	63	91	123	123	161	203	123	161	203	161	203	251	123	161	203	161	203	251
Injection Speed	mm/sec	200			200			200			200			200			200			200			200		
Screw Rotating Speed	rpm	0-375			0-375			0-375			0-375			0-375			0-375			0-375			0-375		
Heater Capacity	kW	3.4	4.1	5.3	5.3	6	6.8	3.4	4.1	5.3	5.3	6	6.8	5.3	6	6.8	6	6.8	7.5	5.3	6	6.8	6	6.8	7.5
Machine Size(LxWxH)	M	5.2x1.6x1.9												6.5x2.0x2.1											
Net Weight	ton	7.0												14.0											

# Mold Platen Dimensions

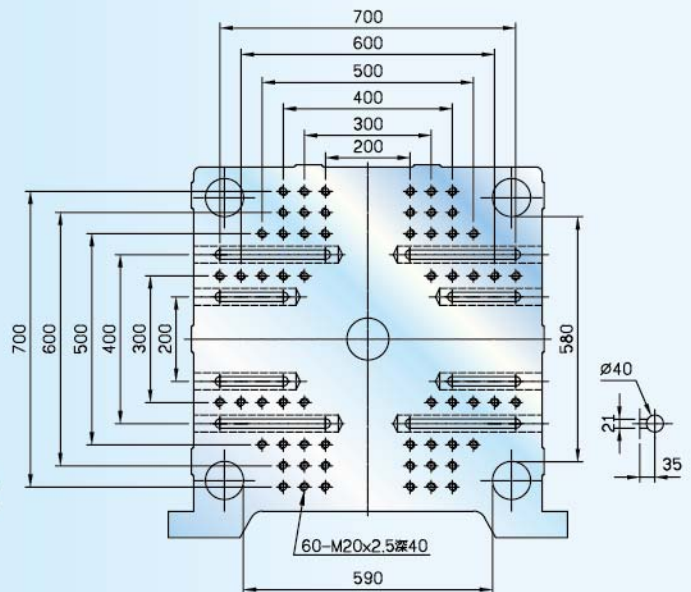
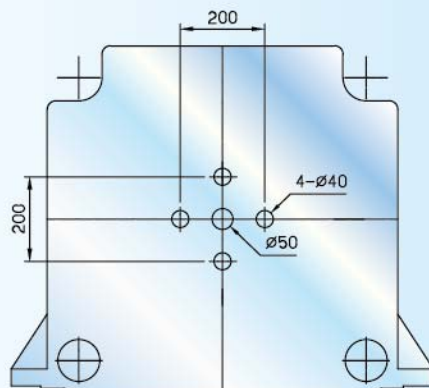
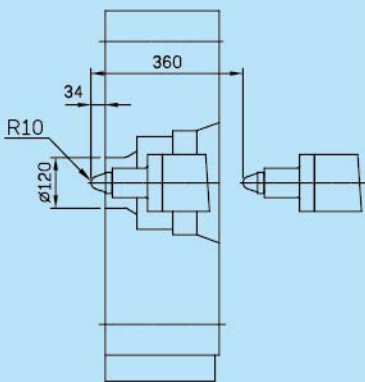
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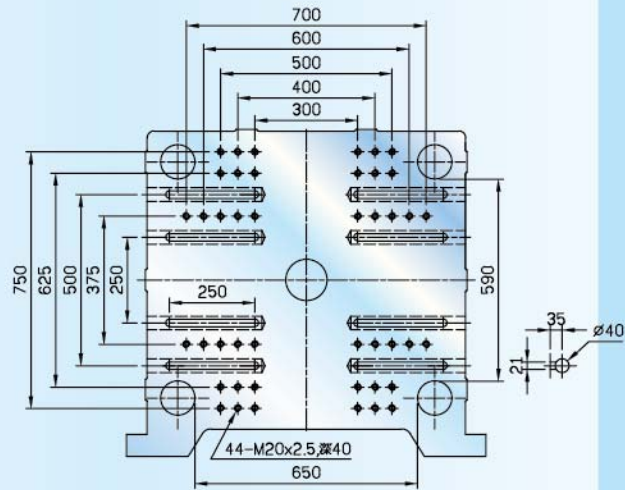
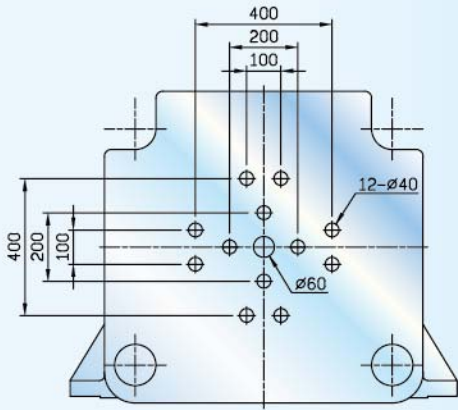
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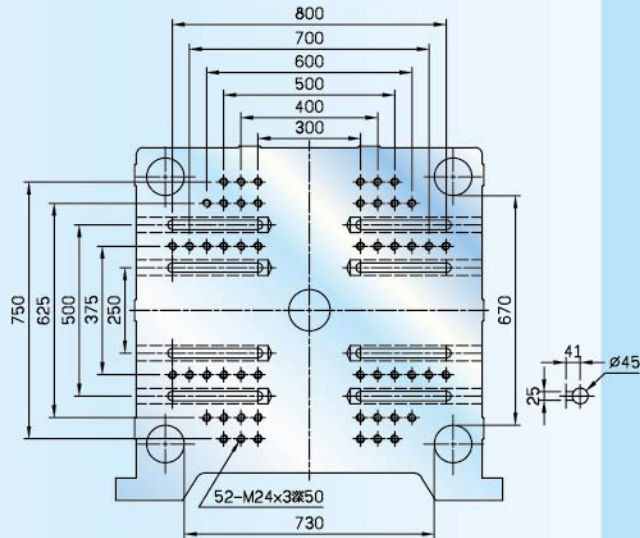
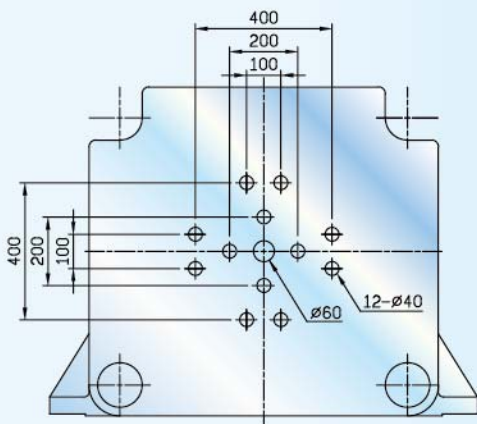
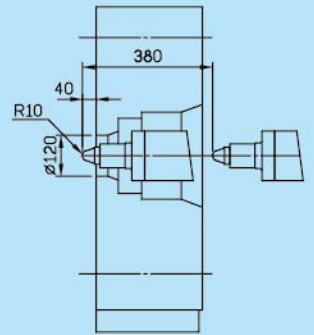
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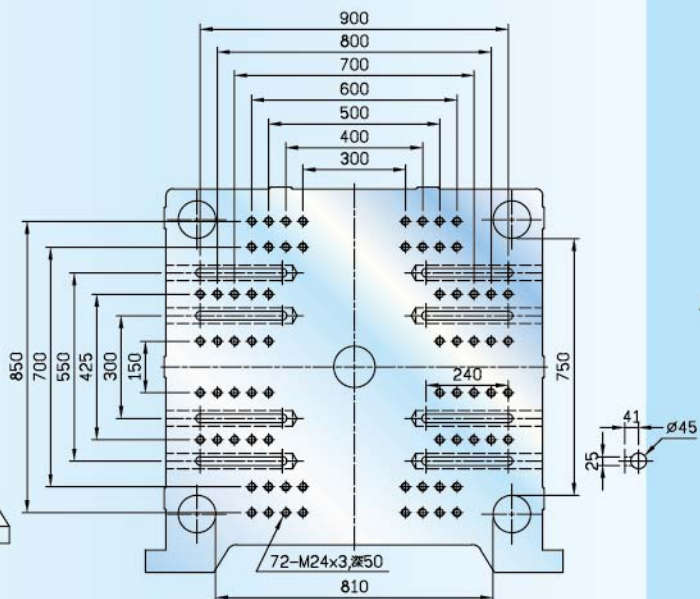
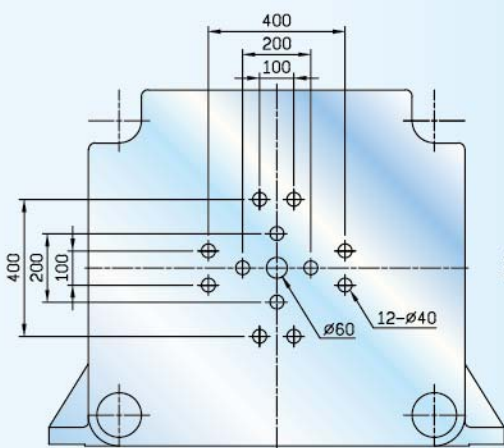
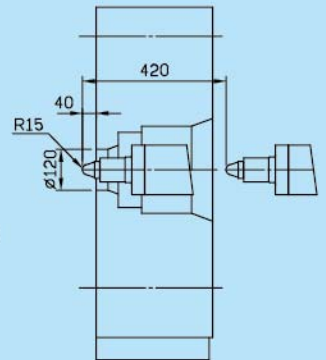




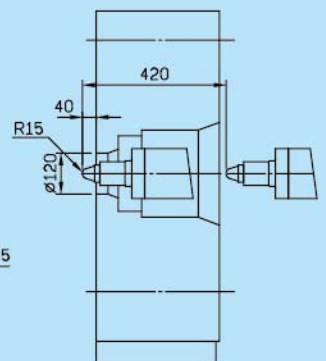
HEW-230

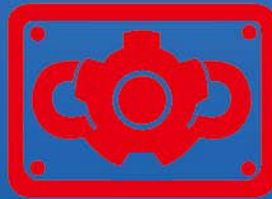


HEW-280



HEW-350





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