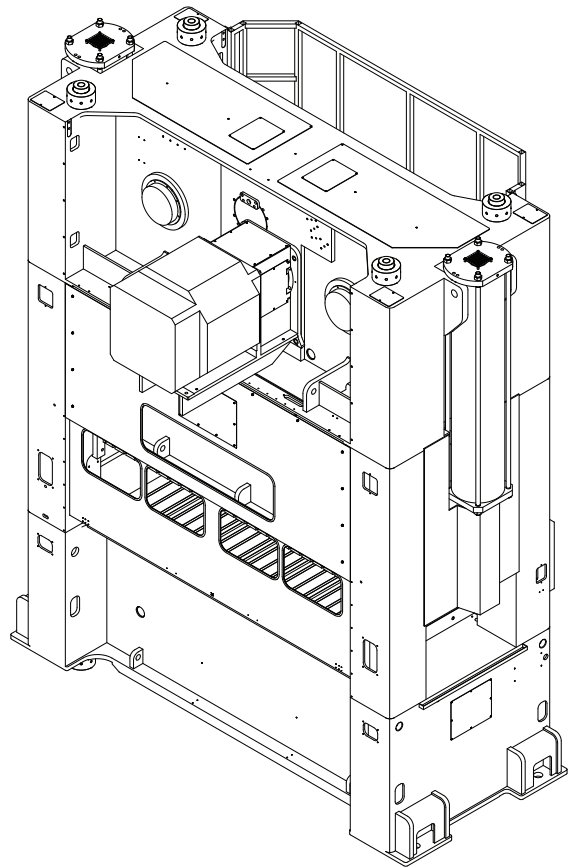
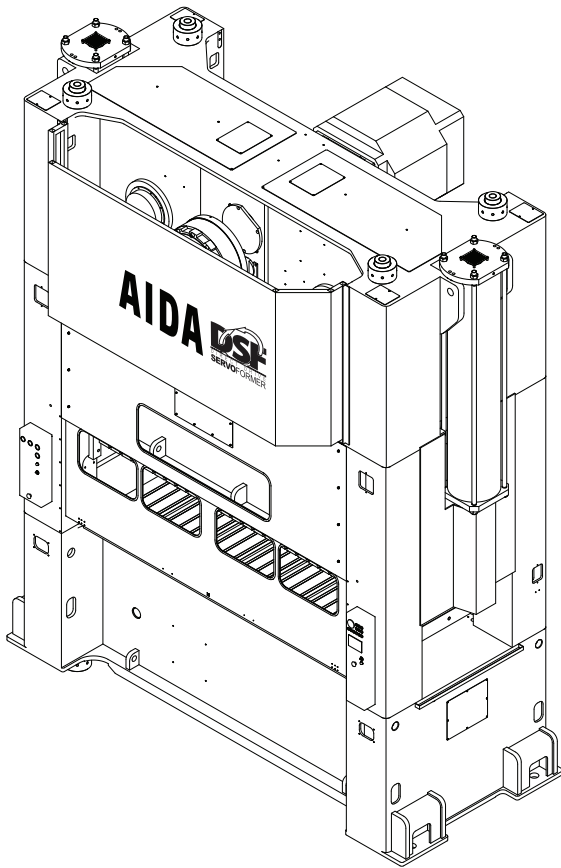


MODULAR CONFIGURATION
MCX SERIES
MECHANICAL DRIVE PRESSES

SERIES STRAIGHTSIDE PRESSES
DSF-M2 SERIES
DIRECT DRIVE SERVO PRESSES

SPECIFICATIONS



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Press Technical Data		Unit	MCX-3150 MODELS (MECHANICAL)			DSF-M2-3150 MODELS (SERVO)		
			Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction		
Capacity		kN	3150			3150		
		U.S. ton	347			347		
SERVO Motor		Qty.	N/A			1		
Main Motor	Standard	kW / HP	30 / 40	N/A		290 / 400		
	Med. Energy		45 / 60	45 / 60	45 / 60	N/A		
	High Energy		55 / 75		N/A			
Stroke Length		mm	250 or 300	250 or 300	300 or 350	250	300	350
		in.	9.84 or 11.81	9.84 or 11.81	11.81 or 13.78	9.84	11.81	13.78
Rating Point		mm / SPM	6.4	12.7	12.7	12.7 @ 50, 76 @ 60		
		in. / SPM	.25	.5	.5	0.5 @ 50, 0.3 @ 60		
Die Height Options (SDAU)		mm	600, 650, 700 or 750			600, 650, 700 or 750		
		in.	23.6, 25.6, 27.5 or 29.5			23.6, 25.6, 27.5 or 29.5		
Slide Adjustment		mm	200			200		
		in.	7.87			7.87		
Slide and Bolster Area		mm	3050 x 1500			3050 x 1500		
		in.	120.1 x 59.1			120.1 x 59.1		
Bolster Thickness		mm	150			150		
		in.	5.91			5.91		
Floor to Top of Bolster		mm	850			850		
		in.	33.46			33.46		
Press Foot to Top of Bolster		mm	1290			1290		
		in.	50.8			50.8		
Press Overall Height		mm	6230			5770		
		in.	245			227		
Side Window Opening		mm	1100			1100		
		in.	43.3			43.3		
Max Upper Die Weight		kg	3000			3000		
		lbs	6600			6600		
Micro-inch Speed		SPM	10			1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed		
Slide Deflection Rating		mm / mm	1 / 8000			1 / 8000		
		in. / ft.	.0015 / 1			.0015 / 1		
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)		
		in. / ft.	.0015 / 1 or .001 / 1 (option)			.0015 / 1 or .001 / 1 (option)		
Stroke per minute								
Continuous		SPM	20 to 60	20 to 60	15 to 40	1 to 60		
Pendulum Stroke, 150 mm		SPM	N/A			1 to 65		
Pendulum Stroke, 125 mm		SPM	N/A			1 to 70		
Pendulum Stroke, 100 mm		SPM	N/A			1 to 75		
Pendulum Stroke, 75 mm		SPM	N/A			1 to 80		
Working Energy								
Standard Energy *SERVO: Full Revolution		kJ	23 @ 30 SPM	N/A		65 @ 60 SPM, 95 @ 20 SPM		
		in-ton	100 @ 30 SPM			288 @ 60 SPM, 420 @ 20 SPM		
Medium Energy		kJ	36 @ 30 SPM	36 @ 30 SPM	38 @ 20 SPM	N/A		
		in-ton	160 @ 30 SPM	160 @ 30 SPM	170 @ 20 SPM			
High Energy		kJ	45 @ 30 SPM	45 @ 30 SPM	56 @ 20 SPM	N/A		
		in-ton	200 @ 30 SPM	200 @ 30 SPM	250 @ 20 SPM			
Pendulum Stroke, 150 mm		kJ	N/A			40 @ 65 SPM		
		in-ton				177 @ 65 SPM		
Pendulum Stroke, 125 mm		kJ	N/A			40 @ 70 SPM		
		in-ton				177 @ 70 SPM		
Pendulum Stroke, 100 mm		kJ	N/A			40 @ 75 SPM		
		in-ton				177 @ 75 SPM		
Pendulum Stroke, 75 mm		kJ	N/A			40 @ 80 SPM		
		in-ton				177 @ 80 SPM		

Press Technical Data		Unit	MCX-4000 MODELS (MECHANICAL)			DSF-M2-4000 MODELS (SERVO)										
			Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction				SERVO Double Reduction						
Capacity		kN	4000			4000										
		U.S. ton	440			440										
SERVO Motor		Qty.	N/A			1										
Main Motor	Standard	kW / HP	45 / 60	N/A		290 / 400										
	Med. Energy		55 / 75	55 / 75	55 / 75	N/A										
	High Energy		75 / 100			N/A										
Stroke Length		mm	250,300 or 350	250,300 or 350	300,350 or 400	250	300	350	300	350	400					
		in.	9.84, 11.81 or 13.78	9.84, 11.81 or 13.78	11.81, 13.78 or 15.75	9.84	11.81	13.78	11.81	13.78	15.75					
Rating Point		mm / SPM	6.4	12.7	12.7	6.4 @ 54	5.1 @ 60	6.4 @ 51	4.5 @ 60	6.4 @ 50	4 @ 60	12.7 @ 35	12.7 @ 32	10.4 @ 35	12.7 @ 31	9.5 @ 35
		in. / SPM	.25	.5	.5	.25 @ 54	.2 @ 60	.25 @ 51	.17 @ 60	.25 @ 50	.15 @ 60	.5 @ 35	.5 @ 32	.41 @ 35	.5 @ 31	.37 @ 35
Die Height Options (SDAU)		mm	600, 650, 700 or 750 (800, 850, 900, 950)*			600, 650, 700 or 750 (800, 850, 900, 950)*										
		in.	23.6, 25.6, 27.5, 29.5 (31.5, 33.4, 35.4, 37.4)*			23.6, 25.6, 27.5, 29.5 (31.5, 33.4, 35.4, 37.4)*										
Slide Adjustment		mm	250			250										
		in.	9.845			9.845										
Slide and Bolster Area		mm	3050 x 1500 or 3650 x 1500			3050 x 1500 or 3650 x 1500										
		in.	120.1 x 59.1 or 143.7 x 59.1			120.1 x 59.1 or 143.7 x 59.1										
Bolster Thickness		mm	175			175										
		in.	6.89			6.89										
Floor to Top of Bolster		mm	850			850										
		in.	33.46			33.46										
Press Foot to Top of Bolster		mm	1575			1575										
		in.	62			62										
Press Overall Height		mm	6870			6432										
		in.	270			253										
Side Window Opening		mm	1100			1100										
		in.	43.3			43.3										
Max Upper Die Weight		kg	4000			4000										
		lbs	8800			8800										
Micro-inch Speed	SPM	10			1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed											
Slide Deflection Rating		mm / mm	1 / 8000			1 / 8000										
		in. / ft.	.0015 / 1			.0015 / 1										
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)										
		in. / ft.	.0015 / 1 or .001 / 1 (option)			.0015 / 1 or .001 / 1 (option)										
Stroke per minute																
Continuous	SPM	20 to 60	20 to 60	15 to 35	1 to 60				1 to 35							
Pendulum Stroke, 150 mm	SPM	N/A			1 to 68				1 to 55							
Pendulum Stroke, 125 mm	SPM	N/A			1 to 74				1 to 60							
Pendulum Stroke, 100 mm	SPM	N/A			1 to 80				1 to 65							
Pendulum Stroke, 75 mm	SPM	N/A			1 to 82				1 to 70							
Working Energy																
Standard Energy *SERVO: Full Revolution		kJ	37 @ 30 SPM	N/A		84 @ 60 SPM, 155 @ 20 SPM				110 @ 35 SPM, 160 @ 15 SPM						
		in-ton	165 @ 30 SPM			372 @ 60 SPM, 686 @ 20 SPM				487 @ 35 SPM, 708 @ 15 SPM						
Medium Energy		kJ	47 @ 30 SPM	47 @ 30 SPM	52 @ 15 SPM	N/A										
		in-ton	210 @ 30 SPM	210 @ 30 SPM	230 @ 15 SPM											
High Energy		kJ	63 @ 30 SPM	63 @ 30 SPM	79 @ 15 SPM	N/A										
		in-ton	280 @ 30 SPM	280 @ 30 SPM	350 @ 15 SPM											
Pendulum Stroke, 150 mm		kJ	N/A			35 @ 68 SPM				60 @ 55 SPM						
		in-ton				155 @ 68 SPM				265 @ 55 SPM						
Pendulum Stroke, 125 mm		kJ	N/A			25 @ 74 SPM				55 @ 60 SPM						
		in-ton				111 @ 74 SPM				243 @ 60 SPM						
Pendulum Stroke, 100 mm		kJ	N/A			20 @ 80 SPM				45 @ 65 SPM						
		in-ton				90 @ 80 SPM				200 @ 65 SPM						
Pendulum Stroke, 75 mm		kJ	N/A			20 @ 82 SPM				35 @ 70 SPM						
		in-ton				90 @ 82 SPM				155 @ 70 SPM						

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*Specifications in () are for OPTIONAL Increased Stroke Length, Increased Die Height, or Wide Window models

DSF-M2-6000 MODELS (SERVO)

Press Technical Data	Unit	SERVO Single Reduction			
Capacity	kN	6000			
	U.S. ton	660			
SERVO Motor	Qty.	1			
Main Motor	kW / HP	290 / 400			
Stroke Length	mm	250		300	
	in.	9.84		11.81	
Rating Point	mm / SPM	6 @ 43	2.5 @ 60	5 @ 43	2.1 @ 60
	in. / SPM	.23 @ 43	0.1 @ 60	.19 @ 43	0.08 @ 60
Die Height Options (SDAU)	mm	700, 750, 800, 850			
	in.	27.5, 29.5, 31.5, 33.4			
Slide Adjustment	mm	300			
	in.	11.81			
Slide and Bolster Area	mm	3050 x 1500 or 3650 x 1500 or 4250 x 1500			
	in.	120.1 x 59.1 or 143.7 x 59.1 or 167.3 x 59.1			
Bolster Thickness	mm	175			
	in.	6.89			
Floor to Top of Bolster	mm	850			
	in.	33.46			
Press Foot to Top of Bolster	mm	1825			
	in.	71.9			
Press Overall Height	mm	7207			
	in.	284			
Side Window Opening	mm	1250			
	in.	49.2			
Max Upper Die Weight	kg	6000			
	lbs	13200			
Micro-inch Speed	SPM	1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed			
Slide Deflection Rating	mm / mm	1 / 8000			
	in. / ft.	.0015 / 1			
Bed Deflection Rating	mm / mm	1 / 8000 or 1 / 12000 (option)			
	in. / ft.	.0015 / 1 or .001 / 1 (option)			
Stroke per minute					
Continuous	SPM	1 to 60			
Pendulum Stroke, 150 mm	SPM	1 to 50			
Pendulum Stroke, 125 mm	SPM	1 to 55			
Pendulum Stroke, 100 mm	SPM	1 to 60			
Pendulum Stroke, 75 mm	SPM	1 to 70			
Working Energy					
Standard Energy *SERVO: Full Revolution	kJ	60 @ 60 SPM, 150 @ 20 SPM			
	in-ton	265 @ 60 SPM, 664 @ 20 SPM			
Pendulum Stroke, 150 mm	kJ	40 @ 50 SPM			
	in-ton	177 @ 50 SPM			
Pendulum Stroke, 125 mm	kJ	40 @ 55 SPM			
	in-ton	177 @ 55 SPM			
Pendulum Stroke, 100 mm	kJ	40 @ 60 SPM			
	in-ton	177 @ 60 SPM			
Pendulum Stroke, 75 mm	kJ	40 @ 70 SPM			
	in-ton	177 @ 70 SPM			

		MCX-6300 MODELS (MECHANICAL)				DSF-M2-6300 MODELS (SERVO)												
Press Technical Data		Unit	Mechanical Single Reduction		Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction					SERVO Double Reduction						
Capacity		kN	6300				6300											
		U.S. ton	693				693											
SERVO Motor		Qty.	N/A				1											
Main Motor	Standard	KW/HP	55 / 75		N/A		500 / 675											
	Med. Energy		75 / 100		75 / 100	75 / 100	N/A											
	High Energy		90 / 125				N/A											
Stroke Length		mm	300	350 or 400	300, 350 or 400	400, 450 or (500)*	300	350	400	400	450	(500)*						
		in.	11.81	13.78 or 15.75	11.81, 13.78 or 15.75	15.75, 17.72 or (19.68)*	11.81	13.78	15.75	15.75	17.72	(19.68)*						
Rating Point		mm/SPM	6.4		12.7	12.7	9.8 @ 43	4 @ 60	8.2 @ 43	3.2 @ 60	7 @ 43	3 @ 60	12.7 @ 30	8 @ 35	12.7 @ 25	7 @ 35	(11 @ 25)*	(6.4 @ 35)*
		in./SPM	.25		.5	.5	.39 @ 43	.16 @ 60	.32 @ 43	.13 @ 60	.23 @ 43	.12 @ 60	.5 @ 30	.32 @ 35	.5 @ 25	.3 @ 35	(.43 @ 25)*	(.25 @ 35)*
Die Height Options (SDAU)		mm	700, 750, 800, 850 (900, 950, 1000, 1050)*				700, 750, 800, 850 (900, 950, 1000, 1050)*											
		in.	27.5, 29.5, 31.5, 33.4 (35.4, 37.4, 39.3, 41.3)*				27.5, 29.5, 31.5, 33.4 (35.4, 37.4, 39.3, 41.3)*											
Slide Adjustment		mm	300				300											
		in.	11.81				11.81											
Slide and Bolster Area		mm	3050 x 1500 or 3650 x 1500 or 4250 x 1500				3050 x 1500 or 3650 x 1500 or 4250 x 1500											
		in.	120.1 x 59.1 or 143.7 x 59.1 or 167.3 x 59.1				120.1 x 59.1 or 143.7 x 59.1 or 167.3 x 59.1											
Bolster Thickness		mm	175				175											
		in.	6.89				6.89											
Floor to Top of Bolster		mm	850				850											
		in.	33.46				33.46											
Press Foot to Top of Bolster		mm	1825				1825											
		in.	71.9				71.9											
Press Overall Height		mm	7665 (8115)*				7207 (7657)*											
		in.	302 (320)*				284 (302)*											
Side Window Opening		mm	1250 (2100)*				1250 (2100)*											
		in.	49.2 (82.67)*				49.2 (82.67)*											
Max Upper Die Weight		kg	6000 (10000)*				6000 (10000)*											
		lbs	13200 (22046)*				13200 (22046)*											
Micro-inch Speed		SPM	10				1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed											
Slide Deflection Rating		mm/mm	1 / 8000				1 / 8000											
		in./ft.	.0015 / 1				.0015 / 1											
Bed Deflection Rating		mm/mm	1 / 8000 or 1 / 12000 (option)				1 / 8000 or 1 / 12000 (option)											
		in./ft.	.0015 / 1 or .001 / 1 (option)				.0015 / 1 or .001 / 1 (option)											
Stroke per minute																		
Continuous		SPM	20 to 60	20 to 50	20 to 50	10 to 30	1 to 60					1 to 35						
Pendulum Stroke, 150 mm		SPM	N/A				1 to 58					1 to 40						
Pendulum Stroke, 125 mm		SPM	N/A				1 to 64					1 to 45						
Pendulum Stroke, 100 mm		SPM	N/A				1 to 70					1 to 50						
Pendulum Stroke, 75 mm		SPM	N/A				1 to 80					1 to 55						
Pendulum Stroke, 60 mm		SPM	N/A				1 to 86					N/A						
Working Energy																		
Standard Energy *SERVO: Full Revolution		kJ	47 @ 25 SPM	54 @ 25 SPM	N/A		60 @ 60 SPM, 95 @ 50 SPM, 180 @ 20 SPM					105 @ 35 SPM, 175 @ 15 SPM						
		in-ton	208 @ 25 SPM	240 @ 25 SPM	N/A		265 @ 60 SPM, 420 @ 50 SPM, 796 @ 20 SPM					465 @ 35 SPM, 774 @ 15 SPM						
Medium Energy		kJ	63 @ 25 SPM	75 @ 25 SPM	75 @ 25 SPM	86 @ 15 SPM	N/A											
		in-ton	280 @ 25 SPM	330 @ 25 SPM	330 @ 25 SPM	380 @ 15 SPM	N/A											
High Energy		kJ	80 @ 25 SPM	95 @ 25 SPM	95 @ 25 SPM	136 @ 15 SPM	N/A											
		in-ton	356 @ 25 SPM	420 @ 25 SPM	420 @ 25 SPM	600 @ 15 SPM	N/A											
Pendulum Stroke, 150 mm		kJ	N/A				75 @ 58 SPM					75 @ 40 SPM						
		in-ton	N/A				332 @ 58 SPM					332 @ 40 SPM						
Pendulum Stroke, 125 mm		kJ	N/A				60 @ 64 SPM					75 @ 45 SPM						
		in-ton	N/A				265 @ 64 SPM					332 @ 45 SPM						
Pendulum Stroke, 100 mm		kJ	N/A				45 @ 70 SPM					75 @ 50 SPM						
		in-ton	N/A				200 @ 70 SPM					332 @ 50 SPM						
Pendulum Stroke, 75 mm		kJ	N/A				30 @ 80 SPM					75 @ 55 SPM						
		in-ton	N/A				133 @ 80 SPM					332 @ 55 SPM						
Pendulum Stroke, 60 mm		kJ	N/A				25 @ 86 SPM					N/A						
		in-ton	N/A				110 @ 86 SPM					N/A						

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*Specifications in () are for OPTIONAL Increased Stroke Length, Increased Die Height, or Wide Window models

Press Technical Data		Unit	MCX-8000 MODELS (MECHANICAL)			DSF-M2-8000 MODELS (SERVO)									
			Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction 1/2" Rating	SERVO Single Reduction				SERVO Double Reduction					
Capacity		kN	8000			8000									
		U.S. ton	880			880									
SERVO Motor		Qty.	N/A			2				1					
Main Motor(s)	Standard	kW / HP	75 / 100	N/A	90 / 125	580 / 780				500 / 675					
	Med. Energy		90 / 125	90 / 125	110 / 150	N/A									
	High Energy		110 / 150	150 / 200		N/A									
Stroke Length		mm	350 or 400	350 or 400	450 / 500	400	450	500	400	450	500				
		in.	13.78 or 15.75	13.78 or 15.75	17.72 or 19.69	15.75	17.72	19.69	15.75	17.72	19.69				
Rating Point		mm / SPM	6.4	12.7		75 @ 44	5.5 @ 50	6.4 @ 45	6.0 @ 40	8.0 @ 27	3.8 @ 40	6.4 @ 30	3.3 @ 40	6.0 @ 28	3.0 @ 40
		in. / SPM	.25	.5		.30 @ 44	.22 @ 50	.25 @ 45	.24 @ 40	.32 @ 27	.15 @ 40	.25 @ 30	.13 @ 40	.24 @ 28	.12 @ 40
Die Height Options (SDAU)		mm	750, 800, 850 or 900			750, 800, 850 or 900									
		in.	29.5, 31.5, 33.4, 35.4			29.5, 31.5, 33.4, 35.4									
Slide Adjustment		mm	300			300									
		in.	11.81			11.81									
Slide and Bolster Area		mm	3650 x 1800 or 4600 x 1800			3650 x 1800 or 4600 x 1800									
		in.	143.7 x 70.9 or 181.1 x 70.9			143.7 x 70.9 or 181.1 x 70.9									
Bolster Thickness		mm	235			235									
		in.	9.25			9.25									
Floor to Top of Bolster		mm	850			850									
		in.	33.46			33.46									
Press Foot to Top of Bolster		mm	2070			2070									
		in.	81.5			81.5									
Press Overall Height		mm	9100			8838									
		in.	358			348									
Side Window Opening		mm	1400 (2450)*			1400 (2450)*									
		in.	55.1 (94.5)*			55.1 (94.5)*									
Max Upper Die Weight		kg	10000			10000									
		lbs	22000			22000									
Micro-inch Speed	SPM	10			1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed										
Slide Deflection Rating		mm / mm	1 / 8000			1 / 8000									
		in. / ft.	.0015 / 1			.0015 / 1									
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)			1 / 8000 or 1 / 12000 (option)									
		in. / ft.	.0015 / 1 or .001 / 1 (option)			.0015 / 1 or .001 / 1 (option)									
Stroke per minute															
Continuous	SPM	20 to 50	20 to 50	12 to 30	1 to 50	1 to 45	1 to 40	1 to 40							
Pendulum Stroke, 150mm	SPM	N/A			1 to 55				1 to 48						
Pendulum Stroke, 100 mm	SPM	N/A			1 to 65				1 to 56						
Pendulum Stroke, 75 mm	SPM	N/A			1 to 70				1 to 60						
Working Energy															
Standard Energy	kJ	71 @ 20 SPM	N/A	97 @ 12 SPM	200 @ 50 SPM, 320 @ 20 SPM				115 @ 40 SPM, 225 @ 20 SPM						
*SERVO: Full Revolution	in-ton	315 @ 20 SPM		430 @ 12 SPM	885 @ 50 SPM, 1416 @ 20 SPM				509 @ 40 SPM, 995 @ 20 SPM						
Medium Energy	kJ	88 @ 20 SPM	88 @ 20 SPM	122 @ 12 SPM	N/A										
	in-ton	390 @ 20 SPM	390 @ 20 SPM	540 @ 12 SPM	N/A										
High Energy	kJ	115 @ 20 SPM	150 @ 20 SPM	203 @ 12 SPM	N/A										
	in-ton	508 @ 20 SPM	660 @ 20 SPM	900 @ 12 SPM	N/A										
Pendulum Stroke, 150 mm		kJ	N/A			50 @ 55 SPM				50 @ 48 SPM					
		in-ton	N/A			221 @ 55 SPM				221 @ 48 SPM					
Pendulum Stroke, 100 mm		kJ	N/A			50 @ 65 SPM				50 @ 56 SPM					
		in-ton	N/A			221 @ 65 SPM				221 @ 56 SPM					
Pendulum Stroke, 75 mm		kJ	N/A			50 @ 70 SPM				40 @ 60 SPM					
		in-ton	N/A			221 @ 70 SPM				177 @ 60 SPM					

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		MCX-10000 MODELS (MECHANICAL)		DSF-M2-10000 MODELS (SERVO)					
Press Technical Data		Unit	Mechanical Double Reduction	SERVO Double Reduction					
Capacity	kN		10,000	10,000					
	U.S. ton		1,100	1,100					
SERVO Motor		Qty.	N/A	2					
Main Motor(s)	Standard	kW / HP	110 / 150	580 / 800					
	High Energy		150 / 200	N/A					
Stroke Length	mm		400, 500 or 600	500	550	600			
	in.		15.75, 19.7, or 23.6	19.7	21.7	23.6			
Rating Point	mm / SPM		12.7	11 @ 25	7 @ 30	10 @ 25	6.3 @ 30	9 @ 25	5.7 @ 30
	in. / SPM		.5	.43 @ 25	.28 @ 30	.4 @ 25	.25 @ 30	.35 @ 25	.22 @ 30
Die Height Options (SDAU)	mm		800, 850, 900 or 950	800, 850, 900 or 950					
	in.		31.5, 33.4, 35.4 or 37.4	31.5, 33.4, 35.4 or 37.4					
Slide Adjustment	mm		300	300					
	in.		11.81	11.81					
Slide and Bolster Area	mm		4,600 x 1,800 or 6,100 x 1,800	4,600 x 1,800 or 6,100 x 1,800					
	in.		181.1 x 70.9 or 240.2 x 70.9	181.1 x 70.9 or 240.2 x 70.9					
Bolster Thickness	mm		260	260					
	in.		10.24	10.24					
Floor to Top of Bolster	mm		850	850					
	in.		33.46	33.46					
Press Foot to Top of Bolster	mm		2,230	2,230					
	in.		87.8	87.8					
Press Overall Height	mm		10,700	10,700					
	in.		421	421					
Side Window Opening	mm		1,750 (2,450)*	1,750 (2,450)*					
	in.		68.9 (96.5)*	68.9 (96.5)*					
Max Upper Die Weight	kg		12,000 (15,000 for 6100 L-R)	12,000 (15,000 for 6100 L-R)					
	lbs		26,400 (33,000 for 6100 L-R)	26,400 (33,000 for 6100 L-R)					
Micro-inch Speed	SPM		10	1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed					
Slide Deflection Rating	mm / mm		1 / 8000	1 / 8000					
	in. / ft.		.0015 / 1	.0015 / 1					
Bed Deflection Rating	mm / mm		1 / 8,000 or 1 / 12,000 (option)	1 / 8,000 or 1 / 12,000 (option)					
	in. / ft.		.0015 / 1 or .001 / 1 (option)	.0015 / 1 or .001 / 1 (option)					
Stroke per minute									
Continuous	SPM		15 to 30	1 to 30					
Pendulum 200mm	SPM		N/A	1 to 35					
Pendulum Stroke, 150 mm	SPM		N/A	1 to 40					
Pendulum Stroke, 100 mm	SPM		N/A	1 to 44					
Pendulum Stroke, 75 mm	SPM		N/A	1 to 47					
Working Energy									
Standard Energy	kJ		183 @ 15 SPM	250 @ 30 SPM, 400 @ 10 SPM					
	in-ton		810 @ 15 SPM	1,106 @ 30 SPM, 1770 @ 10 SPM					
High Energy	kJ		250 @ 15 SPM	N/A					
	in-ton		1,100 @ 15 SPM						
Pendulum 200 mm	kJ		N/A	100 @ 35 SPM					
	in-ton		N/A	443 @ 35 SPM					
Pendulum Stroke, 150 mm	kJ		N/A	100 @ 40 SPM					
	in-ton		N/A	443 @ 40 SPM					
Pendulum Stroke, 100 mm	kJ		N/A	80 @ 44 SPM					
	in-ton		N/A	354 @ 44 SPM					
Pendulum Stroke, 75 mm	kJ		N/A	55 @ 47 SPM					
	in-ton		N/A	243 @ 47 SPM					

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*Specifications in () are for OPTIONAL Increased Stroke Length, Increased Die Height, or Wide Window models

Press Technical Data		Unit	MCX-12500 MODELS (MECHANICAL)		DSF-M2-12500 MODELS (SERVO)							
			Mechanical Single Reduction	Mechanical Double Reduction	SERVO Single Reduction		SERVO Double Reduction					
Capacity		kN	12500		12500							
		U.S. ton	1375		1375							
SERVO Motor		Qty.	N/A		2							
Main Motor(s)	Standard	kW / HP	110 / 150		1000 / 1350							
	High Energy		150 / 200		N/A							
Stroke Length		mm	400	400, 500 or 600	400		400	500	600			
		in.	15.75	15.75, 19.7, or 23.6	15.75		15.75	19.7	23.6			
Rating Point		mm / SPM	6.4	12.7	6.0 @ 40	5.1 @ 45	12.7 @ 28	11 @ 30	12.7 @ 24	8.5 @ 30	11.6 @ 22	7 @ 30
		in. / SPM	.25	.5	.24 @ 40	.2 @ 45	.5 @ 28	.43 @ 30	.5 @ 24	.33 @ 30	.45 @ 22	.27 @ 30
Die Height Options (SDAU)		mm	800, 850, 900 or 950		800, 850, 900 or 950							
		in.	31.5, 33.4, 35.4 or 37.4		31.5, 33.4, 35.4 or 37.4							
Slide Adjustment		mm	300		300							
		in.	11.81		11.81							
Slide and Bolster Area		mm	4250 x 1800 or 4850 x 1800 or 6100 x 1800	4850 x 1800 or 6100 x 1800	4250 x 1800 or 4850 x 1800 or 6100 x 1800			4850 x 1800 or 6100 x 1800				
		in.	1673 x 70.9 or 191 x 70.9 or 240.2 x 70.9	191 x 70.9 or 240.2 x 70.9	1673 x 70.9 or 191 x 70.9 or 240.2 x 70.9			191 x 70.9 or 240.2 x 70.9				
Bolster Thickness		mm	260		260							
		in.	10.24		10.24							
Press Foot to Top of Bolster		mm	2200		2200							
		in.	86.6		86.6							
Press Overall Height		mm	10500	10700	10500			10700				
		in.	413	421	413			421				
Side Window Opening		mm	1750 (2450)*		1750 (2450)*							
		in.	68.9 (96.4)*		68.9 (96.4)*							
Max Upper Die Weight		kg	12000 (15000 for 6100 L-R)		12000 (15000 for 6100 L-R)							
		lbs	26400 (33000 for 6100 L-R)		26400 (33000 for 6100 L-R)							
Micro-inch Speed		SPM	10		1.0, 0.1, or 0.01 degree, Selectable Handwheel Resolution, Manual Step Feed							
Slide Deflection Rating		mm / mm	1 / 8000		1 / 8000							
		in. / ft.	.0015 / 1		.0015 / 1							
Bed Deflection Rating		mm / mm	1 / 8000 or 1 / 12000 (option)		1 / 8000 or 1 / 12000 (option)							
		in. / ft.	.0015 / 1 or .001 / 1 (option)		.0015 / 1 or .001 / 1 (option)							
Stroke per minute												
Continuous		SPM	20 - 45	15 to 30	1 to 45			1 to 30				
Pendulum 200mm		SPM	N/A		1 to 48			1 to 35				
Pendulum Stroke, 150 mm		SPM	N/A		1 to 50			1 to 40				
Pendulum Stroke, 100 mm		SPM	N/A		1 to 53			1 to 45				
Working Energy												
Standard Energy		kJ	102 @ 20 SPM	183 @ 15 SPM	227 @ 45 SPM, 409 @ 15 SPM			220 @ 30 SPM, 360 @ 15 SPM				
*SERVO: Full Revolution		in-ton	450 @ 20 SPM	810 @ 15 SPM	1035 @ 45 SPM, 1809 @ 15 SPM			973 @ 30 SPM, 1593 @ 15 SPM				
High Energy		kJ	137 @ 20 SPM	250 @ 15 SPM	N/A							
		in-ton	606 @ 20 SPM	1100 @ 15 SPM								
Pendulum 200 mm		kJ	N/A		149 @ 48 SPM			110 @ 35 SPM				
		in-ton	N/A		659 @ 48 SPM			487 @ 35 SPM				
Pendulum Stroke, 150 mm		kJ	N/A		134 @ 50 SPM			120 @ 40 SPM				
		in-ton	N/A		593 @ 50 SPM			530 @ 40 SPM				
Pendulum Stroke, 100 mm		kJ	N/A		118 @ 53 SPM			150 @ 45 SPM				
		in-ton	N/A		522 @ 53 SPM			664 @ 45 SPM				



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