



MODULAR CONFIGURATION STRAIGHTSIDE PRESSES

# MCX | DSF-M2

MECHANICAL DRIVE

DIRECT DRIVE SERVOFORMER

# SPECIFICATIONS



**AIDA**  
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		MCX-3150 MODELS (MECHANICAL)			DSF-M2-3150 MODELS (SERVO)						
Press Technical Data		Unit	Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction					
Capacity	kN	3,150			3,150						
	U.S. ton	347			347						
SERVO Motor		Qty.	N/A			1					
Main Motor	Standard	kW / HP	30 / 40	N/A		200 / 270					
	Med. Energy		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.	9.8 or 11.8	9.8 or 11.8	11.8 or 13.8	9.8	11.8	13.8				
Rating Point	mm / SPM	6.4	12.7	12.7	7.7 @ 40	2.6 @ 50	6.4 @ 40	2.3 @ 50	5.2 @ 40	2.0 @ 50	
	in. / SPM	0.3	0.5	0.5	0.3 @ 40	0.1 @ 50	0.3 @ 40	0.1 @ 50	0.2 @ 40	0.1 @ 50	
Die Height Options (SDAU)	mm	600, 650, 700 or 750			600, 650, 700 or 750						
	in.	23.6, 25.59, 27.56 or 29.53			23.62, 25.59, 27.56 or 29.53						
Slide Adjustment	mm	200			200						
	in.	7.9			7.9						
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.	5.9			5.9						
Floor to Top of Bolster	mm	850			850						
	in.	33.5			33.5						
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	3,000			3,000						
	lbs	6,600			6,600						
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)						
<b>Strokes per minute</b>											
Continuous	SPM	20 to 60	20 to 60	15 to 40	1 to 50						
Pendulum Stroke, 150 mm	SPM	N/A			1 to 82*						
Pendulum Stroke, 125 mm	SPM	N/A			1 to 89*						
Pendulum Stroke, 100 mm	SPM	N/A			1 to 97*						
Pendulum Stroke, 75 mm	SPM	N/A			1 to 108*						
Pendulum Stroke, 60 mm	SPM	N/A			1 to 116*						
<b>Working Energy</b>											
Standard Energy SERVO: Full Revolution	kJ	23 @ 30 SPM	N/A		65 @ 60 SPM, 95 @ 20 SPM						
	in-U.S. ton	100 @ 30 SPM	N/A		288 @ 60 SPM, 420 @ 20 SPM						
Medium Energy	kJ	36 @ 30 SPM	36 @ 30 SPM	38 @ 20 SPM	N/A						
	in-U.S. ton	160 @ 30 SPM	160 @ 30 SPM	170 @ 20 SPM	N/A						
High Energy	kJ	45 @ 30 SPM	45 @ 30 SPM	56 @ 20 SPM	N/A						
	in-U.S. ton	200 @ 30 SPM	200 @ 30 SPM	250 @ 20 SPM	N/A						

\*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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		MCX-4000 MODELS (MECHANICAL)			DSF-M2-4000 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	4,000			4,000										
	U.S. ton	440			440										
SERVO Motor	Qty.	N/A			1										
Main Motor	Standard	45 / 60	N/A		290 / 400										
	Med. Energy	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.	9.8, 11.8 or 13.8	9.8, 11.8 or 13.8	11.8, 13.8 or 15.7	9.8	11.8	13.8	11.8	13.8	15.7					
Rating Point	mm / SPM	6.4	12.7	12.7	11.1 @ 50	4.2 @ 65	9.0 @ 50	3.4 @ 65	7.5 @ 50	3.0 @ 65	12.7 @ 35	12.7 @ 32	10.4 @ 35	12.7 @ 31	9.5 @ 35
	in. / SPM	0.3	0.5	0.5	0.4 @ 50	0.2 @ 65	0.4 @ 50	0.1 @ 65	0.3 @ 50	0.1 @ 65	0.5 @ 35	0.5 @ 32	0.4 @ 35	0.5 @ 31	0.4 @ 35
Die Height Options (SDAU)	mm	600, 650, 700 or 750 (800, 850, 900 or 950)			600, 650, 700 or 750 (800, 850, 900 or 950)										
	in.	23.62, 25.59, 27.56 or 29.53 (31.50, 33.46, 35.43 or 37.40)			23.62, 25.59, 27.56 or 29.53 (31.50, 33.46, 35.43, 37.40)										
Slide Adjustment	mm	250			250										
	in.	9.8			9.8										
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.	6.9			6.9										
Floor to Top of Bolster	mm	850			850										
	in.	33.5			33.5										
Press Foot to Top of Bolster	mm	1575			1575										
	in.	62.0			62.0										
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	4,000			4,000										
	lbs	8,800			8,800										
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)										
<b>Strokes per minute</b>															
Continuous	SPM	20 to 60	20 to 60	15 to 35	1 to 65					1 to 35					
Pendulum Stroke, 150 mm	SPM	N/A			1 to 83*					1 to 55					
Pendulum Stroke, 125 mm	SPM	N/A			1 to 90*					1 to 60					
Pendulum Stroke, 100 mm	SPM	N/A			1 to 100*					1 to 65					
Pendulum Stroke, 75 mm	SPM	N/A			1 to 110*					1 to 70					
Pendulum Stroke, 60 mm	SPM	N/A			1 to 120*					1 to 75*					
<b>Working Energy</b>															
Standard Energy SERVO: Full Revolution	kJ	37 @ 30 SPM	N/A		60 @ 65 SPM, 150 @ 20 SPM					110 @ 35 SPM, 160 @ 15 SPM					
	in-U.S. ton	165 @ 30 SPM	N/A		265 @ 65 SPM, 664 @ 20 SPM					487 @ 35 SPM, 708 @ 15 SPM					
Medium Energy	kJ	47 @ 30 SPM	47 @ 30 SPM	52 @ 15 SPM	N/A										
	in-U.S. ton	210 @ 30 SPM	210 @ 30 SPM	230 @ 15 SPM	N/A										
High Energy	kJ	63 @ 30 SPM	63 @ 30 SPM	79 @ 15 SPM	N/A										
	in-U.S. ton	280 @ 30 SPM	280 @ 30 SPM	350 @ 15 SPM	N/A										

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

\*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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## DSF-M2-6000 MODELS (SERVO)

Press Technical Data	Unit	SERVO Single Reduction			
Capacity	kN	6,000			
	U.S. ton	660			
SERVO Motor	Qty.	1			
Main Motor	kW / HP	290 / 400			
Stroke Length	mm	250		300	
	in.	9.8		11.8	
Rating Point	mm / SPM	6.0 @ 43	2.5 @ 60	5.0 @ 43	2.1 @ 60
	in. / SPM	0.2 @ 43	0.1 @ 60	0.2 @ 43	0.1 @ 60
Die Height Options (SDAU)	mm	700, 750, 800 or 850			
	in.	2756, 29.53, 31.50 or 33.46			
Slide Adjustment	mm	300			
	in.	11.8			
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.	6.9			
Floor to Top of Bolster	mm	850			
	in.	33.5			
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	6,000			
	lbs	13,200			
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)			
<b>Strokes per minute</b>					
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			
<b>Working Energy</b>					
Standard Energy SERVO: Full Revolution	kJ	60 @ 60 SPM, 150 @ 20 SPM			
	in-U.S. ton	265 @ 60 SPM, 664 @ 20 SPM			

Press Technical Data		Unit	MCX-6300 MODELS (MECHANICAL)				DSF-M2-6300 MODELS (SERVO)											
			Mechanical Single Reduction		Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction	SERVO Single Reduction						SERVO Double Reduction					
Capacity		kN	6,300				6,300											
		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				N/A											
	High Energy		90 / 125				N/A											
Stroke Length		mm	300	350 or 400	300, 350 or 400	400 or 450 (500)	300	350	400	400	450	(500)						
		in.	11.8	13.8 or 15.7	11.8, 13.8 or 15.7	15.7 or 17.7 (19.7)	11.8	13.8	15.7	15.7	17.7	(19.7)						
Rating Point		mm / SPM	6.4		12.7	12.7	9.8 @ 43	4.0 @ 60	8.2 @ 43	3.2 @ 60	7.0 @ 43	3.0 @ 60	12.7 @ 30	8.0 @ 35	12.7 @ 25	7.0 @ 35	(11.0 @ 25)	(6.4 @ 35)
		in. / SPM	0.3		0.5	0.5	0.4 @ 43	0.2 @ 60	0.3 @ 43	0.1 @ 60	0.3 @ 43	0.1 @ 60	0.5 @ 30	0.3 @ 35	0.5 @ 25	0.3 @ 35	(0.4 @ 25)	(0.3 @ 35)
Die Height Options (SDAU)		mm	700, 750, 800 or 850 (900, 950, 1000 or 1050)				700, 750, 800 or 850 (900, 950, 1000 or 1050)											
		in.	275.6, 29.53, 31.50 or 33.46 (35.43, 37.40, 39.37 or 41.34)				275.6, 29.53, 31.50 or 33.46 (35.43, 37.40, 39.37 or 41.34)											
Slide Adjustment		mm	300				300											
		in.	11.8				11.8											
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.	6.9				6.9											
Floor to Top of Bolster		mm	850				850											
		in.	33.5				33.5											
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 (82.7)				49.2 (82.7)											
Max Upper Die Weight		kg	6,000 (10,000)				6,000 (10,000)											
		lbs	13,200 (22,000)				13,200 (22,000)											
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)											
Strokes 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 67*						1 to 40*					
Pendulum Stroke, 125 mm		SPM	N/A				1 to 73*						1 to 45*					
Pendulum Stroke, 100 mm		SPM	N/A				1 to 80*						1 to 50*					
Pendulum Stroke, 75 mm		SPM	N/A				1 to 90*						1 to 55*					
Pendulum Stroke, 60 mm		SPM	N/A				1 to 100*						1 to 58*					
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-U.S. 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-U.S. 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-U.S. ton	356 @ 25 SPM	420 @ 25 SPM	420 @ 25 SPM	600 @ 15 SPM	N/A											

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\*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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Press Technical Data		MCX-8000 MODELS (MECHANICAL)			DSF-M2-8000 MODELS (SERVO)								
		Unit	Mechanical Single Reduction	Mechanical Single Reduction 1/2" Rating	Mechanical Double Reduction 1/2" Rating	SERVO Single Reduction				SERVO Double Reduction			
Capacity		kN	8,000			8,000							
		U.S. ton	880			880							
SERVO Motor(s)		Qty.	N/A			1		2		1			
Main Motor(s)	Standard	kW / HP	75 / 100	N/A	90 / 125	500 / 675		580 / 780		500 / 675			
	Med. Energy		90 / 125		110 / 150		N/A						
	High Energy		110 / 150	150 / 200		N/A							
Stroke Length		mm	350 or 400	350 or 400	450 or 500	300	350	400	450	500	400	450	500
		in.	13.8 or 15.7	13.8 or 15.7	17.7 or 19.7	11.8	13.8	15.7	17.7	19.7	15.7	17.7	19.7
Rating Point		mm / SPM	6.4	12.7		6.0 @ 43 2.3 @ 60	5.0 @ 43 2.0 @ 60	8.0 @ 46 4.1 @ 55	7.0 @ 46 5.1 @ 50	6.4 @ 45	8.0 @ 27 3.8 @ 40	6.4 @ 30 3.3 @ 40	6.0 @ 28 3.0 @ 40
		in. / SPM	0.3	0.5		0.2 @ 43 0.1 @ 60	0.2 @ 43 0.1 @ 60	0.3 @ 46 0.2 @ 55	0.3 @ 46 0.2 @ 50	0.3 @ 45	0.3 @ 27 0.1 @ 40	0.3 @ 30 0.1 @ 40	0.2 @ 28 0.1 @ 40
Die Height Options (SDAU)		mm	750, 800, 850 or 900			750, 800, 850 or 900							
		in.	29.53, 31.50, 33.46 or 35.43			29.53, 31.50, 33.46 or 35.43							
Slide Adjustment		mm	300			300							
		in.	11.8			11.8							
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.	9.3			9.3							
Floor to Top of Bolster		mm	850			850							
		in.	33.5			33.5							
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 (96.5)			55.1 (96.5)							
Max Upper Die Weight		kg	10,000			10,000							
		lbs	22,000			22,000							
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)							
<b>Strokes per minute</b>													
Continuous	SPM	20 to 50	20 to 50	12 to 30	1 to 60		1 to 55	1 to 50	1 to 45	1 to 40			
Pendulum Stroke, 150mm	SPM	N/A			1 to 56*		1 to 77*		1 to 48*				
Pendulum Stroke, 125 mm	SPM	N/A			1 to 61*		1 to 82*		1 to 51*				
Pendulum Stroke, 100 mm	SPM	N/A			1 to 67*		1 to 90*		1 to 56*				
Pendulum Stroke, 75 mm	SPM	N/A			1 to 74*		1 to 97*		1 to 60*				
Pendulum Stroke, 60 mm	SPM	N/A			1 to 80*		1 to 104*		1 to 64*				
<b>Working Energy</b>													
Standard Energy SERVO: Full Revolution		kJ	71 @ 20 SPM	N/A	97 @ 12 SPM	150 @ 40, 260 @ 20		130 @ 40, 220 @ 20		115 @ 40, 225 @ 20			
		in-U.S. ton	315 @ 20 SPM		430 @ 12 SPM	664 @ 40, 1,151 @ 20		575 @ 40, 974 @ 20		509 @ 40, 995 @ 20			
Medium Energy		kJ	88 @ 20 SPM	88 @ 20 SPM	122 @ 12 SPM	N/A							
		in-U.S. 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-U.S. ton	508 @ 20 SPM	660 @ 20 SPM	900 @ 12 SPM	N/A							

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\*Stroke rate depends on motion profile, max. full stroke length, and slide area.

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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 Motors		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.		15.7, 19.7, or 23.6	19.7	21.7	23.6			
Rating Point	mm / SPM		12.7	11.0 @ 25	70 @ 30	10.0 @ 25	6.3 @ 30	9.0 @ 25	5.7 @ 30
	in. / SPM		0.5	0.4 @ 25	0.3 @ 30	0.4 @ 25	0.2 @ 30	0.4 @ 25	0.2 @ 30
Die Height Options (SDAU)	mm		800, 850, 900 or 950	800, 850, 900 or 950					
	in.		31.50, 33.46, 35.43 or 37.40	31.50, 33.46, 35.43 or 37.40					
Slide Adjustment	mm		300	300					
	in.		11.8	11.8					
Slide and Bolster Area	mm		4600 x 1800 or 6100 x 1800	4600 x 1800 or 6100 x 1800					
	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.		10.2	10.2					
Floor to Top of Bolster	mm		850	850					
	in.		33.5	33.5					
Press Foot to Top of Bolster	mm		2230	2230					
	in.		87.8	87.8					
Press Overall Height	mm		10700	10700					
	in.		421	421					
Side Window Opening	mm		1750 (2450)	1750 (2450)					
	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 / 8000 or 1 / 12000 (option)	1 / 8,000 or 1 / 12,000 (option)					
	in. / ft.		.0015 / 1 or .001 / 1 (option)	.0015 / 1 or .001 / 1 (option)					
<b>Strokes per minute</b>									
Continuous	SPM		15 to 30	1 to 30					
Pendulum Stroke, 200 mm	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					
<b>Working Energy</b>									
Standard Energy SERVO: Full Revolution	kJ		183 @ 15 SPM	250 @ 30 SPM, 400 @ 10 SPM					
	in-U.S. ton		810 @ 15 SPM	1,106 @ 30 SPM, 1770 @ 10 SPM					
High Energy	kJ		250 @ 15 SPM	N/A					
	in-U.S. ton		1,100 @ 15 SPM						

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	12,500		12,500							
		U.S. ton	1,375		1,375							
SERVO Motors		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.	15.7	15.7, 19.7 or 23.6	15.7			15.7	19.7	23.6		
Rating Point		mm / SPM	6.4	12.7	6.0 @ 40	5.1 @ 45	12.7 @ 28	11.0 @ 30	12.7 @ 24	8.5 @ 30	11.6 @ 22	7.0 @ 30
		in. / SPM	0.3	0.5	0.2 @ 40	0.2 @ 45	0.5 @ 28	0.4 @ 30	0.5 @ 24	0.3 @ 30	0.5 @ 22	0.3 @ 30
Die Height Options (SDAU)		mm	800, 850, 900 or 950		800, 850, 900 or 950							
		in.	31.50, 33.46, 35.43 or 37.40		31.50, 33.46, 35.43 or 37.40							
Slide Adjustment		mm	300		300							
		in.	11.8		11.8							
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.	167.3 x 70.9 or 190.9 x 70.9 or 240.2 x 70.9	190.9 x 70.9 or 240.2 x 70.9	167.3 x 70.9 or 190.9 x 70.9 or 240.2 x 70.9			190.9 x 70.9 or 240.2 x 70.9				
Bolster Thickness		mm	260		260							
		in.	10.2		10.2							
Floor to Top of Bolster		mm	850		850							
		in.	33.5		33.5							
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 (96.5)		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 / 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)							
<b>Strokes per minute</b>												
Continuous	SPM	20 to 45	15 to 30	1 to 45			1 to 30					
Pendulum Stroke, 200 mm	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					
<b>Working Energy</b>												
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-U.S. ton	450 @ 20 SPM	810 @ 15 SPM	1,035 @ 45 SPM, 1,809 @ 15 SPM			973 @ 30 SPM, 1,593 @ 15 SPM					
High Energy	kJ	137 @ 20 SPM	250 @ 15 SPM	N/A								
	in-U.S. ton	606 @ 20 SPM	1,100 @ 15 SPM									



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