

SD1 series



Model		SD1-88	SD1-176	SD1-220	SD1-330	
Tonnage Capacity	U.S.ton	88	176	220	330	
Stroke Length	in	7.09	8.66	9.84	11.81	
Strokes per Minute	S.P.M.	~80	~60	~50	~40	
Tonnage Rating Point	in	0.20	0.24	0.24	0.24	
Die Height	in	12.99	15.75	17.72	21.65	
Slide Adjustment	in	3.15	3.94	4.33	4.72	
Slide Area (L.R. x F.B.)	in x in	27.56 x 18.11	35.43 x 22.83	39.37x26.38	45.28 x 31.50	
Bolster Area (L.R. x F.B.)	in x in	35.43 x 26.77	45.28 x 29.92	51.18x34.25	57.09 x 41.34	
Bolster Thickness	in	5.51	6.50	7.09	7.87	
Bolster Height (w/o Mounts)	in	35.43	37.01	40.16	40.94	
Slide Adjustment Motor	HP x P	0.5 x 4	1 x 4	1 x 4	2 x 4	
Window Opening	in x in	26.77 x 11.02	29.92 x 13.78	34.25 x 15.75	41.34 x 17.72	
Required Floor Space	in x in	77.20 x 80.71	85.08 x 100.67	87.56 x 108.70	95.04 x 124.29	
Total Height	in	116.61	137.87	150.35	171.06	
Upper Die Weight	LBS	661	1102	1763	2866	
Required Air Pressure	PSI	71	71	71	71	
Total Weight	U.S.ton	15.98	22.05	27.56	41.34	
Die Cushion	Capacity	U.S.ton	6.6	8.8	11	15.4
	Stroke Length	in	3.74	4.33	5.12	5.51
	Die Cushion Area (L.RxF.B.)	in x in	18.90 x 13.39	22.05 x 14.57	27.56 x 17.72	27.56 x 17.72

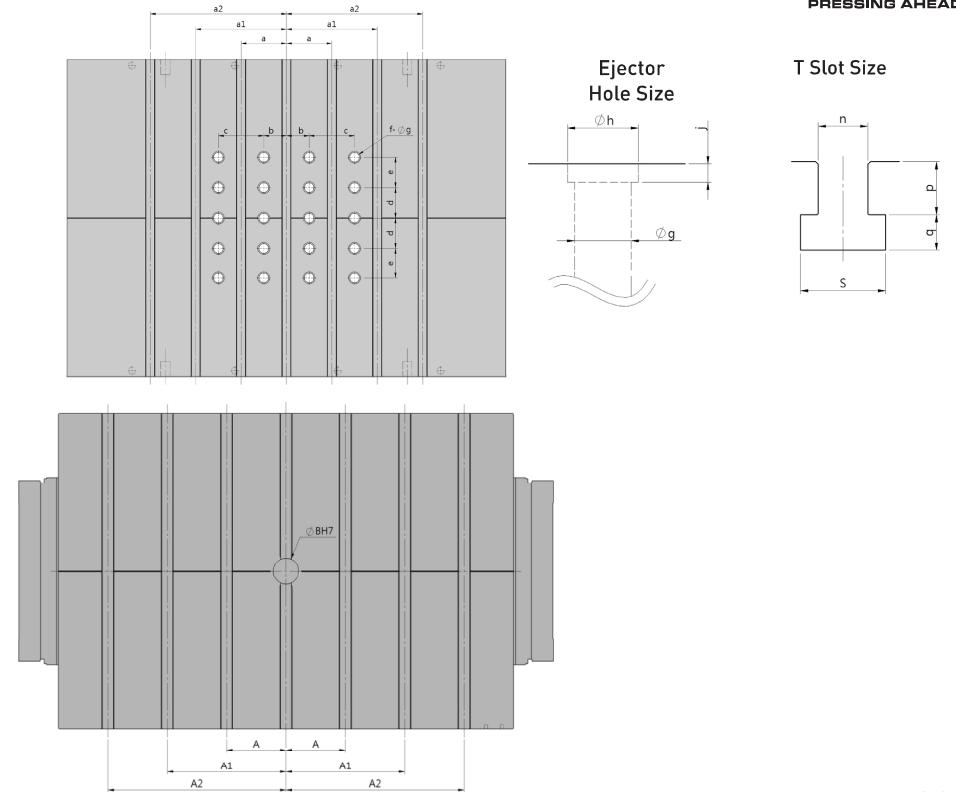
Standard Attachments

- Servo System
- Safety Brake System
- Electrical Overload Protection
- Tonnage Monitor
- Programmable Motion Profiles
- Job Storage Capacity - Up to 200
- Die Height Adjustment
- Slide Position Adjustment (Handy Pulser)
- Portable Operation Stand
- Misfeed Socket 4 Set (2A,2B)
- Pneumatic ejector 1 Set
- Safety Light Curtain
- Oil Lubrication System
- Total/Preset/Batch/Maintenance Counter
- Anti Vibration Mounts
- Safety Block
- Die Lamp
- Tool Box

Optional Attachments

- Hydro-pneumatic Die Cushion
- Quick Die Change System
- Hydraulic Die Cushion
- Lamp Socket (1A)
- NDC (Servo Die Cushion)
- Rear Safety Guard

Slide Area & Bolster Area



Unit: in

Model	SD1-88	SD1-176	SD1-220	SD1-330	
Bolster	a	5.91	5.91	5.91	
	a1	11.81	11.81	11.81	
	a2	-	17.72	17.72	17.72
	b	2.95	2.95	2.95	2.95
	c	5.51	5.91	5.91	5.91
	d	1.77	1.97	3.94	3.94
	e	3.54	3.94	3.94	3.94
	f(L.R.xF.B.)	4x5	4x5	4x5	4x5
	Øg	1.26	1.26	1.26	1.26
	Øh	1.57	1.57	1.57	1.57
	j	0.41	0.41	0.41	0.41
	n	1.10	1.10	1.10	1.10
	p	1.18	1.18	1.18	1.18
	q	0.79	0.79	0.79	0.79
s	1.89	1.89	1.89	1.89	
Slide Area	A	5.91	5.91	5.91	
	A1	9.45	11.81	11.81	11.81
	A2	-	-	-	17.72
	ØB	2.00	2.56	2.56	2.56

SD2 series



Model		SD2-176	SD2-220	SD2-330	SD2-440	SD2-550	
Tonnage Capacity	U.S.ton	176	220	330	440	550	
Stroke Length	in	8.66	9.84	11.81	13.78	13.78	
Strokes per Minute	S.P.M.	~60	~50	~40	~40	~40	
Tonnage Rating Point	in	0.24	0.24	0.24	0.24	0.24	
Die Height	in	17.72	19.69	23.62	25.59	25.59	
Slide Adjustment	in	3.94	4.33	4.72	5.12	5.12	
Slide Area(L.R. x F.B.)	inx in	63.78 x 22.83	74.80 x 26.38	89.76 x 31.50	93.70 x 39.37	93.70 x 43.31	
Bolster Area (L.R. x F.B.)	inx in	75.20 x 29.92	86.61 x 34.25	101.57 x 41.34	105.51 x 47.24	105.51 x 51.18	
Bolster Thickness	in	6.30	6.69	7.87	7.87	7.87	
Bolster Height (w/o Mounts)	in	37.40	39.37	45.28	49.21	49.21	
Slide Adjustment Motor	HP x P	2 x 4	2 x 4	2 x 4	2 x 4	2 x 4	
Window Opening	in x in	29.92 x 15.75	34.25 x 17.72	41.34 x 19.69	47.24 x 21.65	51.18 x 21.65	
Required Floor Space	in x in	115.00 x 98.82	122.01 x 104.96	138.54 x 122.64	146.97 x 127.95	157.48 x 133.86	
Total Height	in	140.67	155.67	180.67	194.45	208.66	
Upper Die Weight	LBS	1764	2866	3968	5512	5952	
Required Air Pressure	PSI	71	71	71	71	71	
Total Weight	U.S.ton	29.7	35.2	55	70.4	77	
Die Cushion	Capacity	U.S.ton	8.8x2	11x2	15.4x2	15.4x2	
	Stroke Length	in	3.74	4.33	5.12	5.51	5.51
	Die Cushion Area(L,RxF,B)	in x in	18.90 x 13.39	22.05 x 14.57	27.56 x 17.72	27.56 x 17.72	27.56 x 17.72

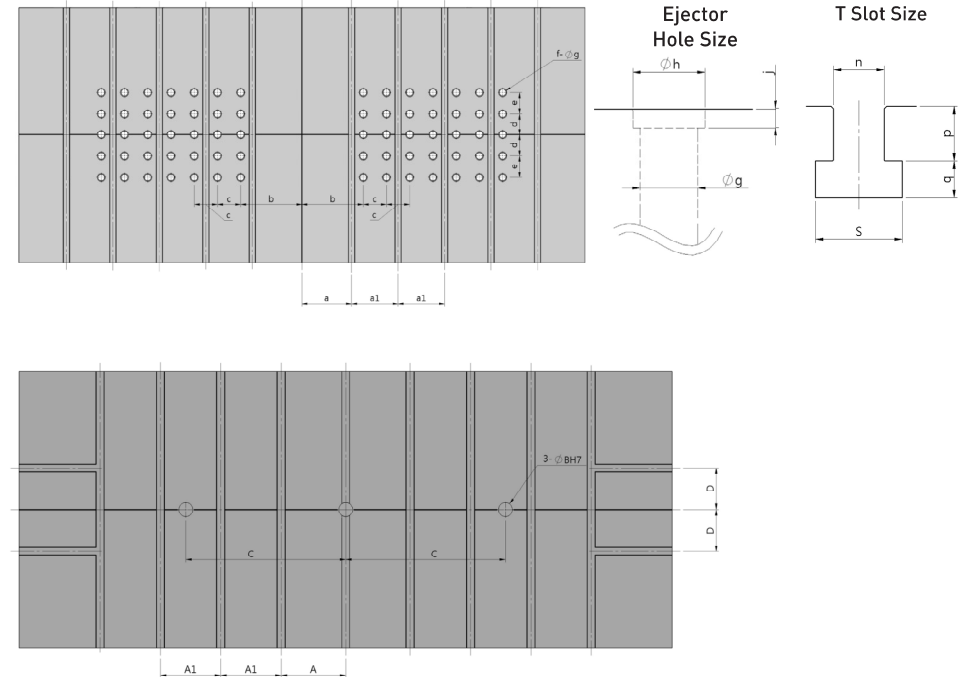
Standard Attachments

- Servo System
- Safety Brake System
- Electrical Overload Protection
- Tonnage Monitor
- Programmable Motion Profiles
- Job Storage Capacity - Up to 200
- Die Height Adjustment
- Slide Positon Adjustment (Handy Pulser)
- Portable Operation Stand
- Misfeed Socket 4 Set (2A,2B)
- Pneumatic ejector 1 Set
- Safety Light Curtain
- Oil Lubrication System
- Total/Preset/Batch/Maintenance Counter
- Anti Vibration Mounts
- Safety Block
- Die Lamp
- Tool Box

Optional Attachments

- Hydro-pneumatic Die Cushion
- Quick Die Change System
- Hydraulic Die Cushion
- Lamp Socket (1A)
- NDC (Servo Die Cushion)
- Rear Safety Guard

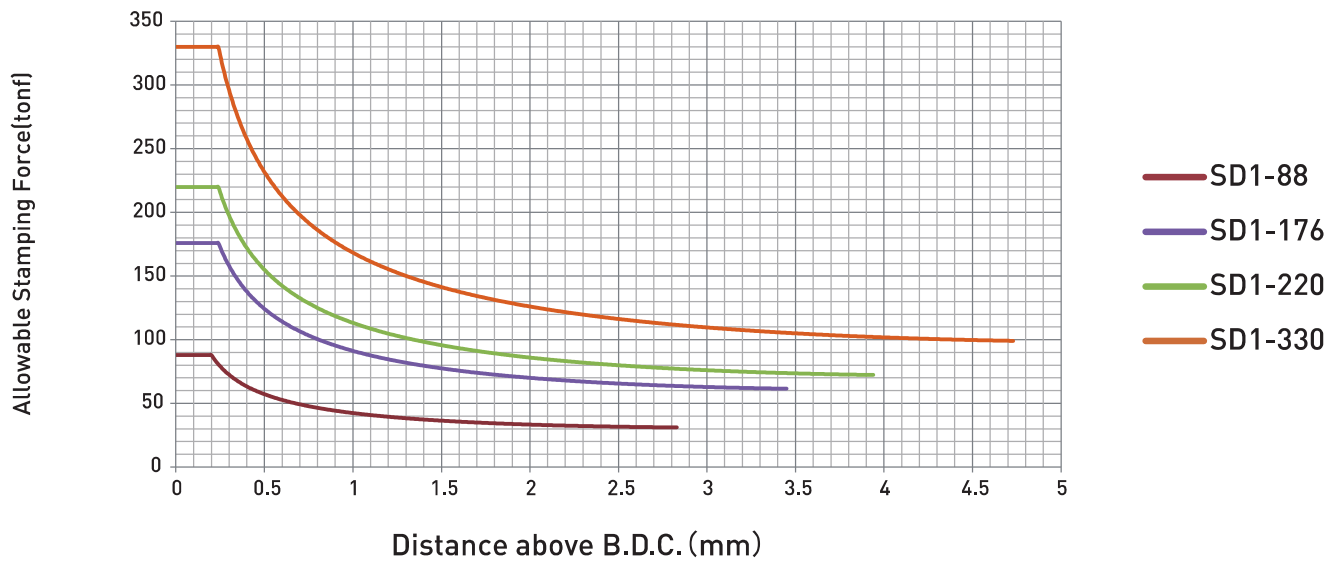
Slide Area & Bolster Area



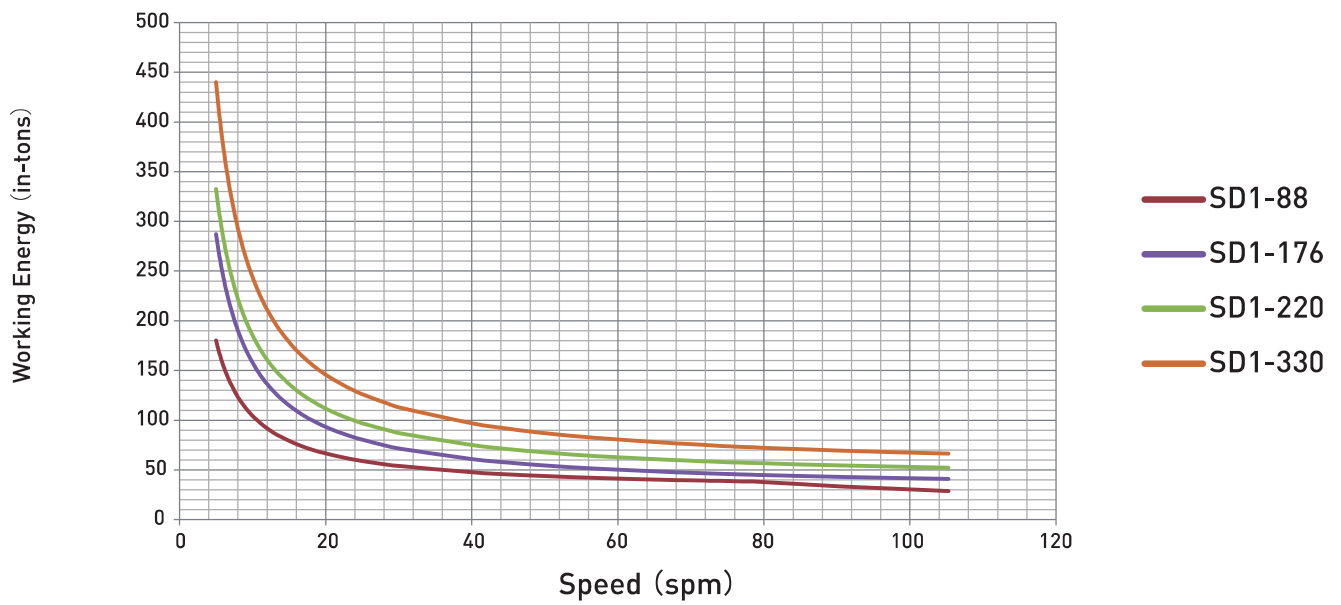
Unit: in

Model	SD2-176	SD2-220	SD2-330	SD2-440	SD2-550	
Bolster	a	6	6	6	6	
	a1	6	6	6	6	
	b	5.91	6.30	11.42	11.42	11.42
	c	3.94	4.33	4.33	4.33	4.33
	d	1.97	3.94	3.94	3.94	3.94
	e	3.94	3.94	3.94	3.94	3.94
	f(L.R.xF.B.)	6x4x2	7x5x2	7x5x2	7x5x2	7x5x2
	Øg	1.26	1.26	1.26	1.26	1.26
	Øh	1.57	1.57	1.57	1.57	1.57
	j	0.41	0.41	0.41	0.41	0.41
	n	1.10	1.10	1.10	1.10	1.10
	p	1.18	1.18	1.18	1.18	1.18
	q	0.79	0.79	0.79	0.79	0.79
	s	1.89	1.89	1.89	1.89	1.89
Slide Area	A	6	6	6	6	
	A1	6	6	6	6	
	ØB	2.01	2.01	2.01	2.01	2.01
	C	15.75	19.69	17.72	22.91	22.91
D	6	6	6	6	6	

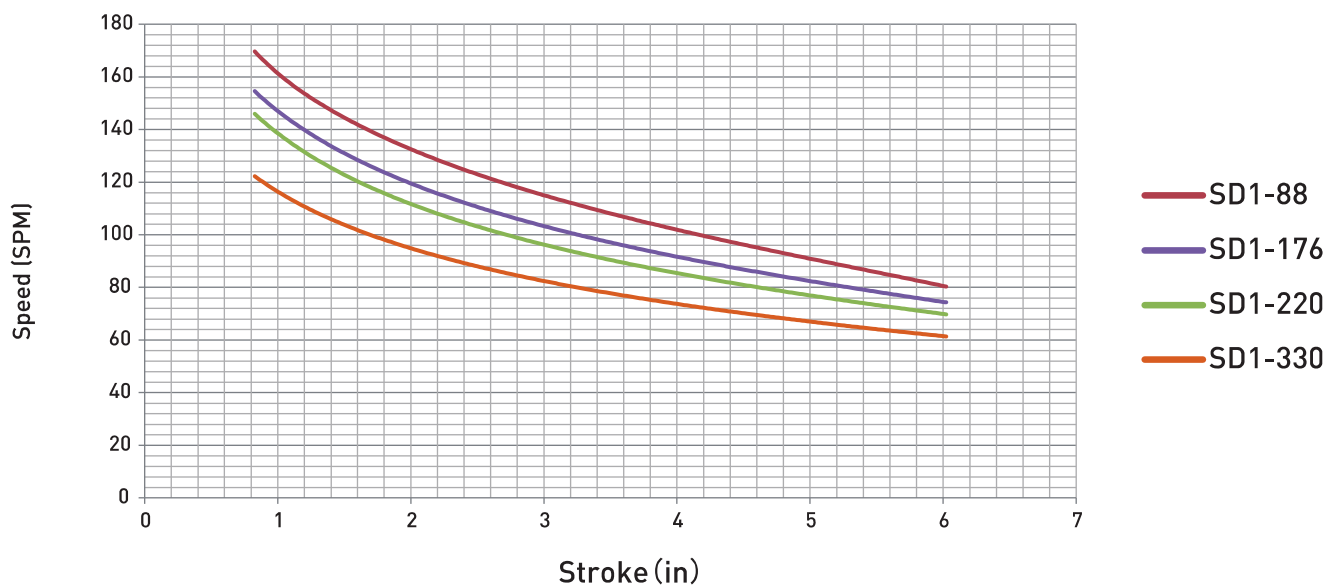
Tonnage Curves



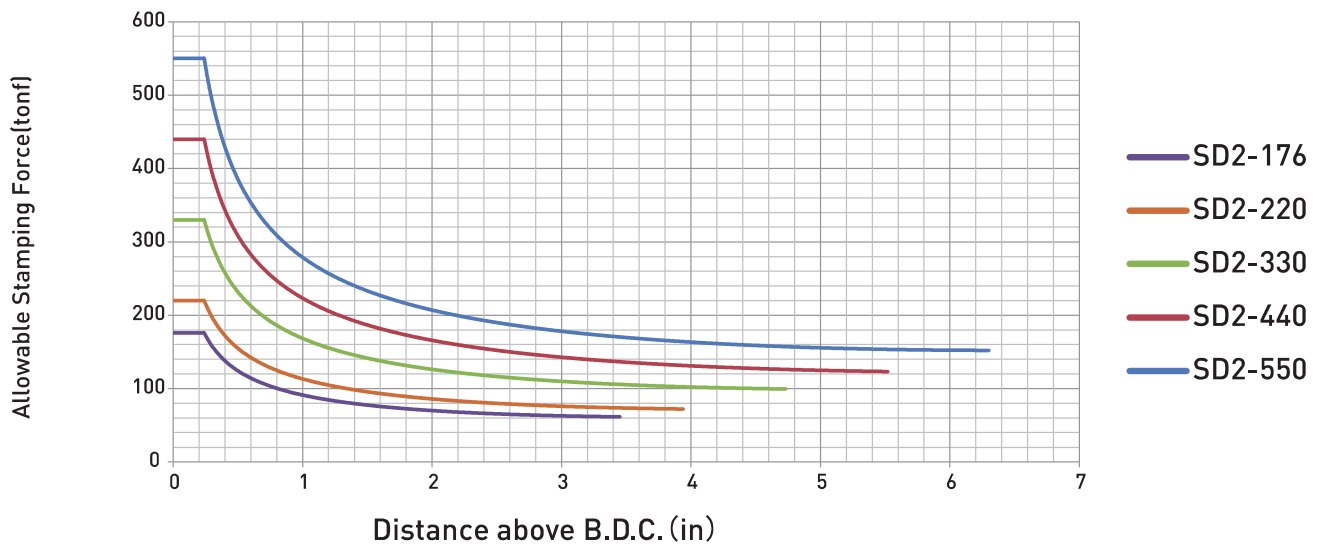
Working Energy



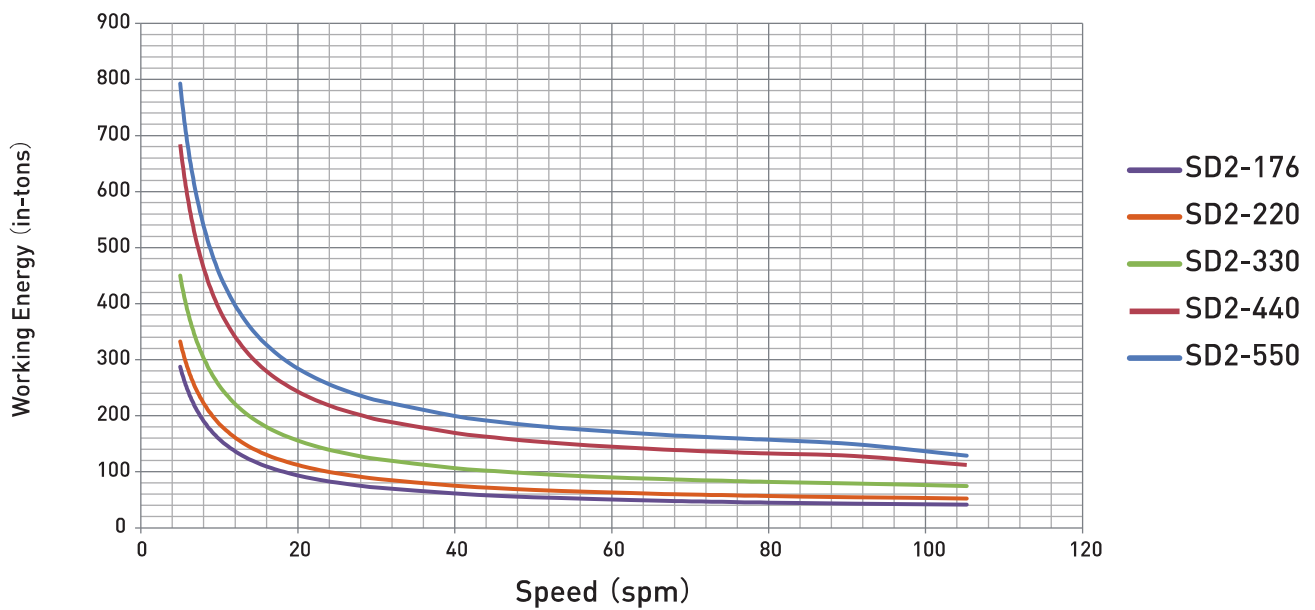
Pendulum Motion (SD1)



Tonnage Curves



Working Energy (English Unit)



Pendulum Motion (SD2)

