



MATRIX TOOL INC.
ADVANCED MOLDING AND TOOLING

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NISSEI ADVANCED PRECISION MOLDING

PRESS #	PRESS MAKE	PRESS MODEL	PRESS SIZE (T)	AVAILABLE SHOT SIZE (oz)	Ø TIE BAR (in)	TIE BAR SPACING (in)		MOLD HEIGHT (in)		OPEN DAYLIGHT (in)	CLAMP STROKE (in)	EJECTOR STROKE (in)	Ø SCREW (mm)	INTENSIFICATION RATIO	MAX PLASTIC PRESSURE (psi)	PRESS #	CONTROLLER TYPE	CAPABILITIES			PLATEN KNOCK OUT LOCATIONS (mm)																Ø KNOCK OUT (mm)	PLATEN DIMENSIONS (in)				DISTANCE TO DOORS (in)			
						HORIZONTAL	VERTICAL	MIN	MAX									RIG	CORE PULL	VALVE GATE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P									
1	NEX 1000	9E-AA	89	2.0	2.36	15.2	15.2	7.9	15.6	27.0	11.8	3.00	26	1:1	38,435	1	TACT				88.9	100	88.9	100	x	x	x	x	x	35	21.5	21.5	18.0	19.7											
2	NEX 1000	5E-A	89	1.2	2.36	15.2	15.2	9.4	19.1	30.9	11.8	3.00	22	1:1	36,970	2	TACT				88.9	100	88.9	100	x	x	x	x	x	35	21.5	21.5	18.0	19.7											
3	NEX 1000	5E-A	89	1.2	2.36	15.2	15.2	9.4	19.1	30.9	11.8	3.00	22	1:1	36,970	3	TACT				88.9	100	88.9	100	x	x	x	x	x	35	21.5	21.5	18.0	19.7											
4	FN 2000	18A	123	4.7	2.36	16.5	16.5	7.9	Δ	28.3	20.5	3.30	36	16.1:1	32,280	4	9300	✓			88.9	x	88.9	x	x	x	x	x	x	35	23.9	23.9	22.0	24.0											
5B	FNX 110	18A-AA	123	3.8	2.75	18.1	18.1	7.9	Δ	28.3	20.5	3.30	32	19.2:1	38,400	5B	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.5	25.5	19.7	22.5											
6B	FNX 110	18A-A	123	4.9	2.75	18.1	18.1	7.9	Δ	28.3	20.5	3.30	36	16.14:1	32,280	6B	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.5	25.5	19.7	22.5											
7B	FNX 110	18A-AA	123	3.8	2.75	18.1	18.1	7.9	Δ	28.3	20.5	3.30	32	19.2:1	38,400	7B	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.5	25.5	19.7	22.5											
9	FN 1000	5A	89	1.2	2.20	15.2	15.2	7.9	Δ	26.4	18.5	3.00	22	18.6:1	37,122	9	9300	✓			88.9	x	88.9	x	x	x	x	x	x	35	21.5	21.5	21.3	19.7											
12	FN 1000	12A	89	3.4	2.20	15.2	15.2	7.9	Δ	26.4	18.5	3.00	32	16.4:1	32,850	12	NC9300T	✓			88.9	x	88.9	x	x	x	x	x	x	35	21.5	21.5	21.3	19.7											
14	FN 3000	25A	154	6.7	2.99	18.9	18.9	9.8	Δ	33.5	23.6	3.50	40	15.9:1	31,850	14	NC9300T	✓			88.9	x	88.9	x	50.8	203.2	50.8	203.2	35	27.6	27.6	25.2	23.4												
15B	FNX 110	18A-A	123	4.9	2.75	18.1	18.1	7.9	Δ	28.3	20.5	3.30	36	16.14:1	32,280	15B	TACT	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.5	25.5	19.7	22.5											
15C	FNX 110A	12A-A ***	123	3.4	2.75	18.1	18.1	7.9	Δ	28.3	20.5	3.30	32	16.4:1	32,850	15C	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.5	25.5	17.3	22.1											
16	FN 80	5A-BB **	89	1.9	2.20	15.2	15.2	7.9	Δ	26.4	18.5	3.00	28	13:1	26,100	16	TACT	✓			88.9	x	88.9	x	x	x	x	x	x	35	21.5	21.5	21.3	19.7											
17	NEX 50	5E-A	55	1.2	1.97	14.2	14.2	6.7	16.1	26.0	11.8	2.80	22	1:1	36,970	17	TACT	✓			88.9	100	88.9	100	x	x	x	x	x	35	19.9	19.9	20.9	20.6											
20B	FNX 80	12A-A ***	89	3.4	1.97	16.5	16.5	7.9	Δ	26.4	18.5	3.00	32	16.4:1	32,850	20B	TACT	✓			88.9	x	88.9	x	x	x	x	x	x	35	22.8	22.8	17.3	18.7											
21B	NEX 50	5E-A	55	1.2	1.97	13.0	13.0	6.7	14.2	24.0	9.8	2.80	22	1:1	36,970	21B	TACT	✓			88.9	100	88.9	100	x	x	x	x	x	35	19.9	19.9	20.3	20.0											
22	FNX 220	50A *	237	16.9	3.62	23.2	23.2	11.4	Δ	41.3	29.9	4.70	56	11.4:1	22,900	22	TACT	✓			88.9	x	88.9	x	50.8	203.2	50.8	203.2	35	33.5	33.5	22.8	27.8												
22B	FNX 110	12A-A ***	123	3.4	2.36	18.1	18.1	7.9	Δ	28.3	18.5	3.30	32	16.4:1	32,850	22B	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	22.8	22.8	17.3	18.7											
23	FNX 220	50A-A *	237	13.5	3.62	23.2	23.2	11.4	Δ	41.3	29.9	4.70	50	14.4:2	28,730	23	TACT	✓			88.9	x	88.9	x	50.8	203.2	50.8	203.2	35	33.5	33.5	22.8	27.8												
24	FN 80	5A-B **	89	1.6	2.20	15.2	15.2	7.9	Δ	26.4	18.5	3.00	26	15.1:1	30,305	24	TACT	✓			88.9	x	88.9	x	x	x	x	x	x	35	21.5	21.5	21.3	19.7											
26	FNX 110	18A-A	123	4.9	2.75	18.1	18.1	7.9	Δ	28.3	20.5	3.30	36	16.14:1	32,280	26	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.5	25.5	19.7	22.5											
27	FNX 80	12A-A ***	89	3.4	2.36	16.5	16.5	7.9	Δ	26.4	18.5	3.00	32	16.4:1	32,850	27	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	22.8	22.8	17.3	18.7											
28	FNX 80	12A-A ***	89	3.4	2.36	16.5	16.5	7.9	Δ	26.4	18.5	3.00	32	16.4:1	32,850	28	TACT IV	✓			88.9	x	88.9	x	x	x	x	x	x	35	25.8	25.8	17.3	18.7											

SODICK ADVANCED MICRO MOLDING

PRESS #	PRESS MAKE	PRESS SIZE (T)	AVAILABLE SHOT SIZE (oz)	Ø TIE BAR (in)	TIE BAR SPACING (in)		MOLD HEIGHT (in)		OPEN DAYLIGHT (in)	CLAMP STROKE (in)	EJECTOR STROKE (in)	INTENSIFICATION RATIO	MAX PLASTIC PRESS/RE (psi)	PRESS #	CONTROLLER TYPE	CAPABILITIES	PLATEN KNOCK OUT LOCATIONS (mm)																Ø KNOCK OUT (mm)	PLATEN DIMENSIONS (in)				DISTANCE TO DOORS (in)
					HORIZONTAL	VERTICAL	MIN	MAX									RIG	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P						
8B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	8B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16	16.9	16.1	14.8	14.8				
9B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	9B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16	16.9	16.1	14.8	14.8				
10B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	10B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16	16.9	16.1	14.8	14.8				
10C	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	10C	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16	16.9	16.1	14.8	14.8				
11B	SODICK 60T	60	0.91	1.96	14.1	12.5	7.9	15.3	25.6	10.3	3.15	18.65:1	37,709	11B	IMC7	✓	100	x	100	x	x	x	x	x	x	x	x	x	16	20.5	18.1	18.0	18.0					
12B	SODICK 60T	60	0.91	1.96	14.1	12.5	7.9	15.3	25.6	10.3	3.15	18.65:1	37,709	12B	IMC7	✓	100	x	100	x	x	x	x	x	x	x	x	x	16	20.5	18.1	18.0	18.0					
13B	SODICK 60T	60	0.91	1.96	14.1	12.5	7.9	15.3	25.6	10.3	3.15	18.65:1	37,709	13B	IMC7	✓	100	x	100	x	x	x	x	x	x	x	x	x	16	20.5	18.1	18.0	18.0					
14B	SODICK 60T	60	0.91	1.96	14.1	12.5	7.9	15.3	25.6	10.3	3.15	18.65:1	37,709	14B	IMC7	✓	100	x	100	x	x	x	x	x	x	x	x	x	16	20.5	18.1	18.0	18.0					
25B	SODICK 60T	60	0.47	1.96	14.1	12.5	7.9	15.3	25.6	10.3	3.15	19:1	38,000	25B	IMC7	✓	100	x	100	x	x	x	x	x	x	x	x	x	16	20.5	18.1	18.0	18.0					
29	SODICK 20T	20	0.15	1.96	12.2	12.2	5.9	Δ	15.7	9.84	2.00	21:1	41,770	29	TR06	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	17.3	17.3	15.7	15.7					
30	SODICK 20T	20	0.15	1.57	12.2	10.2	5.9	Δ	15.7	9.84	2.00	21:1	41,770	30	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	14.2	14.7	14.7					
31B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	31B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					
32	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	32	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	14.2	14.7	14.7					
33B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	33B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					
34	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	34	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					
35	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	35	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					
36	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	36	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					
37B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	37B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					
38B	SODICK 20T	20	0.47	1.57	12.2	10.2	5.9	Δ	15.7	9.8	2.00	19:1	38,000	38B	IMC7	✓	100	x	x	x	x	x	x	x	x	x	x	x	x	16.9	16.1	14.8	14.8					