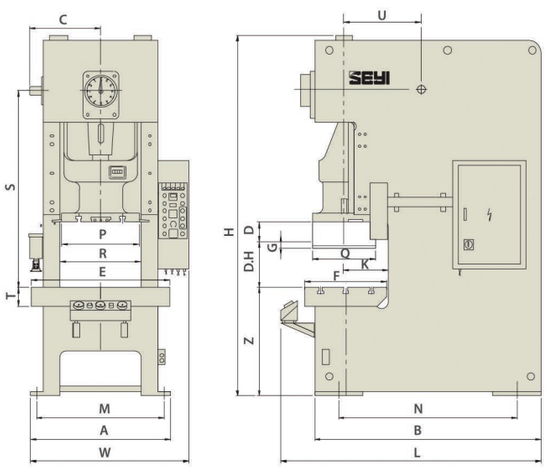
Model		SN1-25			SN1-35			SN1-45			SN1-60			SN1-80			SN1-110			SN1-160			SN1-200			SN1-250		
Type		S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P	S	H	P
Tonnage Capacity	tf	25			35			45			60			80			110			160			200			250		
Stroke Length (l)	mm	80	50	35	90	60	40	110	70	45	130	80	50	150	100	60	180	110	70	200	130	80	220	150	90	250	180	100
Stroke per Minute – Fixed speed	S. P. M.	90	110	140	80	100	130	70	90	120	60	80	100	60	80	100	50	70	90	40	60	80	35	50	65	30	45	55
Stroke per Minute – Variable speed	S. P. M.	70~110	80~140	80~180	60~95	70~130	80~170	50~85	60~120	80~160	40~75	55~110	70~150	40~75	50~100	65~140	35~65	45~90	60~125	30~50	35~70	50~100	25~45	30~60	40~85	22~40	30~50	30~70
Tonnage Rating Point	mm	3.2		2.3	3.2		2.3	3.2		2.3	4		2.3	5		3.2	5		3.2	6		4	6		4	6		4
Die Height (D.H)	mm	230	200	200	250	220	220	270	240	240	300	270	270	330	300	300	350	320	320	400	360	360	450	400	400	450	400	400
Slide Adjustment (R)	mm	50			50			60			70			80			90			100			110			120		
Slide Area (PxQ)	mm	330x250			380x300			430x350			480x400			560x460			650x520			720x580			860x650			960x720		
Diameter of Shank Hole	mm	ø38.1			ø50.8			ø50.8			ø50.8			ø50.8			ø50.8			ø65			ø65			ø65		
Bolster Area (ExF)	mm	700x320			780x400			840x440			900x520			1050x600			1150x680			1250x760			1400x840			1500x900		
Bolster Thickness (T)	mm	85			100			115			130			140			155			165			180			180		
Bolster Height (Z)	mm	800			800			800			900			900			900			900			1000			1000		
Frame - Inside Distance (R)	mm	388			486			516			544			614			670			730			900			970		
Frame - Gap Distance (K)	mm	170			210			230			270			310			350			390			430			460		
P.T.O. Shaft Position (CxSxU)	mm	351x983x383			403x1068x405			428x1158x437			450x1285x478			507x1445x512			596x1630x614			646x1809x686			756x2067x726			796x2262x844		
Main Motor – Fixed speed	HPxP	5x4			5x4			5x4			7.5x4			7.5x4			10x4			15x4			20x4			25x4		
Main Motor – Variable speed	HPxP	5x4			5x4			5x4			7.5x4			10x4			10x4	15x4		15x4	20x4		20x4			25x4		
Slide Adjustment Motor	HPxP	—			—			—			0.5x4			0.5x4			0.5x4			1x4			1x4			1x4		
Foot Print (AxB)	mm	720x1058			830x1125			890x1210			940x1315			1050x1480			1160x1680			1300x1985			1480x2113			1560x2400		
Position of Anchor Bolts(MxN)	mm	620x878			730x925			790x1010			840x1115			950x1230			1060x1380			1180x1655			1360x1753			1440x2000		
Required Floor Space(WxLxH)	mm	875x1335x2060			985x1400x2185			1035x1485x2290			1085x1620x2540			1195x1785x2755			1310x1985x2990			1510x2290x3270			1690x2415x3725			1770x2705x4005		
Required Air Pressure	kgf/cm²	5			5			5			5			5			5			5			5			5		
Die Cushion (Option)																												
Capacity	tf	2.2			2.2			3.5			3.5			6			8			10			14			14		
Stroke Length	mm	50			50			70			70			80			90			100			110			120		
Die Cushion Area(L.R.xF.B.)	mm	295x210			295x210			340x234			340x234			410x260			480x300			540x340			640x440			740x540		

Machine Dimension

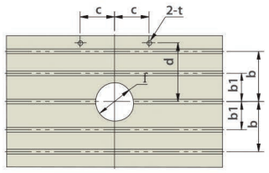
SN1-160, 200, 250 are without shank holder



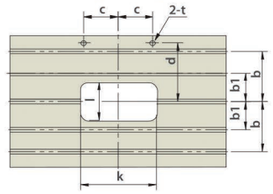
Dimension of Bolster Plate and Ram

The cushion pin holes of SN1-25,35,45,60,200 are center located on bolster

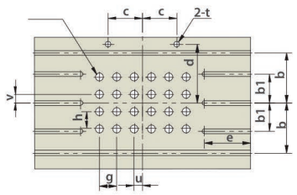
Surface of Bolster - Round Type (Standard)



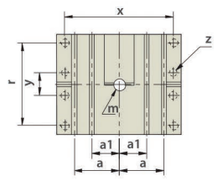
Surface of Bolster - Rectangular Type



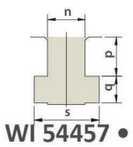
Surface of Bolster - Die Cushion



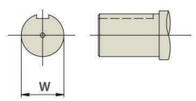
Surface of Ram



Size of T-Slot



Power Take-off Shaft (Option)

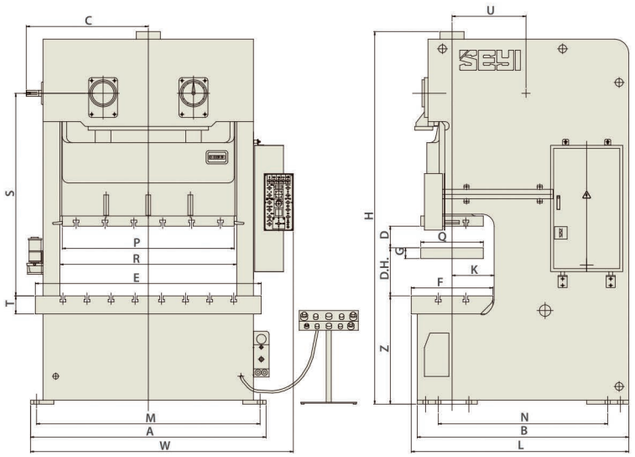


Model	SN1-25	SN1-35	SN1-45	SN1-60	SN1-80	SN1-110	SN1-160	SN1-200	SN1-250
a	105	130	140	150	160	180	260	300	350
a1	—	—	—	—	—	—	160	170	200
b	100	125	140	150	180	210	290	320	350
b1	—	—	—	—	—	—	165	180	200
c	130	130	150	150	150	150	200	200	250
d	135	170	185	200	250	300	340	380	410
e	—	210	220	240	270	280	290	320	320
f	ø100	ø110	ø130	ø150	ø180	ø200	ø220	ø250	ø270
g	65	65	75	75	75	90	100	100	100
h	60	90	100	100	75	90	100	100	100
i(L.R.xF.B.)	5x3	5x3	5x3	5x3	6x4	6x4	6x4	7x5	8x6
j	ø26	ø26	ø26	ø26	ø26	ø32	ø32	ø32	ø32
k	200	220	260	300	360	400	440	500	540
l	100	110	130	150	180	200	220	250	270
m	ø38.1	ø50.8	ø50.8	ø50.8	ø50.8	ø50.8	ø65	ø65	ø65
n	22	22	22	22	28	28	28	28	28
p	23	23	23	23	30	30	30	30	30
q	16	16	16	16	20	20	20	20	20
r	—	—	—	—	—	—	480	550	620
s	38	38	38	38	48	48	48	48	48
t	ø22	ø26	ø26	ø30	ø30	ø30	ø30	ø30	ø30
u	0	0	0	0	37.5	45	50	0	0
w	ø35 -0 -0.03	ø35 -0 -0.03	ø40 -0 -0.03	ø40 -0 -0.03	ø40 -0 -0.03	ø70 -0 -0.03	ø70 -0 -0.03	ø70 -0 -0.03	ø70 -0 -0.03
x	290	340	370	400	480	560	630	750	850
y	70	70	80	90	90	100	130	140	160
z	4-ø18	4-ø18	4-ø18	4-ø18	4-ø18	4-ø23	4-ø23	4-ø23	4-ø23

※ This specifications is subject to change without notice.

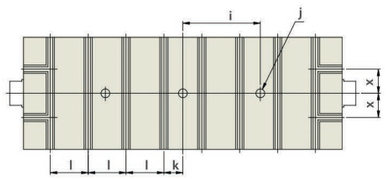
Model		SN2-110		SN2-160		SN2-200		SN2-250		SN2-300	
Type		S	H	S	H	S	H	S	H	S	H
Tonnage Capacity	tf	110		160		200		250		300	
Stroke Length (D)	mm	180	110	200	130	230	150	250	180	280	180
Stroke per Minute – Fixed speed	S. P. M.	50	70	40	60	35	50	30	45	30	45
Stroke per Minute – Variable speed	S. P. M.	35~65	45~90	30~50	35~70	25~45	30~60	22~40	30~50	20~35	30~50
Tonnage Rating Point	mm	5		6		7		7		7	
Die Height (D.H)	mm	400	350	450	400	500	450	550	450	550	450
Slide Adjustment (G)	mm	90		100		110		120		120	
Slide Area (PxQ)	mm	1430x520		1560x580		1850x650		2100x700		2100x800	
Diameter of Shank Hole	mm	ø51		ø51		ø51		ø51		ø51	
Bolster Area (ExF)	mm	1880x680		2040x760		2420x840		2700x920		2700x940	
Bolster Thickness (T)	mm	150		160		170		180		200	
Bolster Height (Z)	mm	900		950		1000		1100		1100	
Frame - Inside Distance (R)	mm	1470		1590		1930		2190		2180	
Frame - Gap Distance (K)	mm	350		390		430		470		480	
P.T.O. Shaft Position (CxSxU)	mm	1005x1685x615	1005x1600x615	1085x1855x660	1085x1770x660	1260x2107x710	1260x2017x710	1405x2305x770	1405x2170x770	1420x2435x800	1420x2285x800
Main Motor	HPxP	10x4	15x4	15x4	20x4	20x4		30x4		30x4	
Motor of Slide Adjustment	HPxP	1x4		2x4		2x4		2x4		2x4	
Foot Print (AxB)	mm	1960x1760	1960x1705	2170x2030	2170x1970	2520x2165	2520x2115	2810x2470	2810x2395	2840x2570	2840x2470
Position of Anchor Bolts(MxN)	mm	1860x1410	1860x1355	2050x1590	2050x1530	2400x1725	2400x1675	2690x1970	2690x1895	2720x2035	2720x1935
Required Floor Space(WxLxH)	mm	2190x1810	2190x1810	2375x2085	2375x2085	2725x2230	2725x2230	3015x2530	3015x2530	3045x2600	3045x2600
Press Height(w/o Mounts)(H)	mm	3110	3025	3380	3295	3760	3670	4150	4015	4380	4230
Required Air Pressure	kgf/cm²	5		5		5		5		5	
Die Cushion (Option)											
Capacity (at 5kgf/cm²)	tf	6x2		8x2		10x2		14x2		14x2	
Stroke Length	mm	95		110		130		140		140	
Die Cushion Area(L.R.xF.B.)	mm	480x340x2		560x370x2		700x450x2		700x450x2		700x450x2	

Machine Dimension

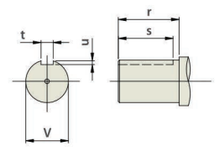


Dimension of Bolster and Slide

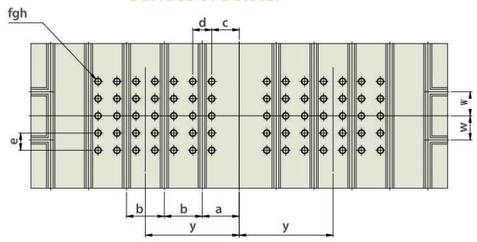
Surface of Slide



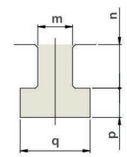
Power Take-off Shaft



Surface of Bolster



Size of T-Slot



Model	SN2-110	SN2-160	SN2-200	SN2-250	SN2-300
a	110	200	215	235	235
b	200	200	220	220	220
c	160	150	160	180	180
d	100	100	110	110	110
e	100	100	100	100	100
f(L.R.XF.B.)	5x4x2	6x4x2	7x5x2	7x5x2	7x5x2
g	ø32	ø32	ø32	ø32	ø32
h	ø40	ø40	ø40	ø40	ø40
i	350	400	450	450	450
j	ø51	ø51	ø51	ø51	ø51
k	120	0	110	120	120
l	240	200	220	240	240
m	28	28	28	28	28
n	30	30	30	30	30
p	20	20	20	20	20
q	48	48	48	48	48
r	100	100	100	100	100
s	90	90	90	90	90
t	20	20	20	20	20
u	7.5	7.5	7.5	7.5	7.5
v	ø70 -0 -0.03	ø70 -0 -0.03	ø70 -0 -0.03	ø70 -0 -0.03	ø70 -0 -0.03
x	115	125	140	150	150
y	360	400	490	510	510

※ This specifications is subject to change without notice.