

SAG · SLG SERIES

Straight Side Crank Press · Straight Side Crank Link Press

SE · SEL SERIES

Straight Side Eccentric Gear Press · Straight Side Eccentric Gear Link Press



TAIWAN EXCELLENCE
SILVER AWARD 2011



TAIWAN EXCELLENCE
GOLD AWARD 2015



TAIWAN EXCELLENCE
SILVER AWARD 2016

FEATURES

SAG · SLG × SE · SEL

DIVERSIFIED APPLICATION · INTELLIGENT OPERATION



- The SAG slide is guided with 8 sided gibs and adjusted with eccentric bolts.



- **Stand-alone Operating Console**
Intuitive read outs and easy to use, convenient, controls.



- **Link Motion**
The SLG series incorporates link motion to reduce ram speed during the forming stroke while increasing speed on the up stroke to improve productivity.

- Tie-rod structure for minimal deflection, accurate parts and machine durability
- Two-point straight side presses cover the range from 4000 to 12000kN
Four-point straight side presses cover from 4000 to 24000kN
- Well integrated with automation system
- Suitable for applying to single-stage, multi-stage and progressive stamping applications



- **Column Mounted Operating Panel**

Intuitive read outs and easy to use, convenient, controls.



- **Eccentric Gear Drive**

Excellent for deep drawing and a variety of other stamping applications.

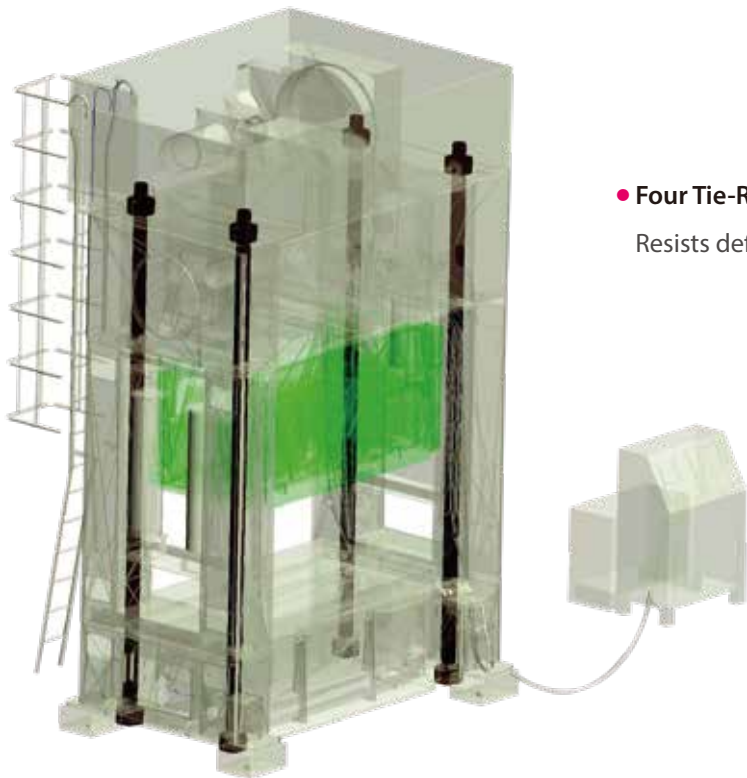
- **Plunger Guided**

Reduces lateral force during slide movement for better accuracy.

- **Link Motion**

The SEL series incorporates link motion to reduce ram speed during the forming stroke while increasing speed on the up stroke to improve productivity.

COMMON DESIGN



- **Four Tie-Rod Structure**

Resists deflection for more accurate parts.



- **Pneumatically Actuated Wet-type Clutch and Brake**

Efficient, durable, fast acting, high torque capacity, environmentally friendly and low power consumption.

- **Hydraulically Actuated Clutch and Brake on Presses of 800kN and Above**

Low inertia, fast acting, soft engagement and recirculating oil cooling for durability.

- **Main Motor FWD/REV and Flywheel Brake (optional)**

- **Hydraulic Overload Protection**

Fast response, reliable protection for dies and machine.

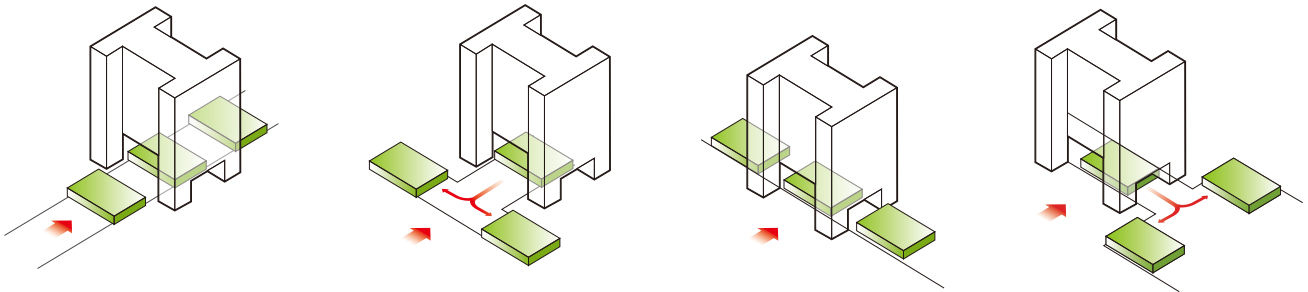
- **Recirculating Lubrication with Monitoring System**

Moving Bolster

(Optional)

A variety of moving bolster types for various applications support fast changeover time and significantly increases productivity.

Quick Die Change (QDC) and die lifers are also available as options.



Electrical Controls

- **Quality Components and Circuit Layout**

High quality, branded valves, programmable logic controller, switches and other components produce a sophisticated and reliable press control system.

- **Operation Monitoring System**

Monitors ram stopping position, electrical components, lubrication system, etc..

- **Safety Protection**

Supports optional safety systems such as light curtains, safety gates, fences, etc..

- **Complies with U.S., European and Asian Safety Requirements and Regulations**

Easy integration with feeds, transfers and other automation equipment to maximize productivity.





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SAG2 · SAG4 SERIES

Model		SAG2-300		SAG2-400		SAG2-500		SAG2-600		SAG2-800		SAG2-1000		SAG2-1200		SAG4-400		SAG4-500		SAG4-600		SAG4-800		SAG4-1000		SAG4-1200		
Type		S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	
Tonnage Capacity	kN	3000		4000		5000		6000		8000		10000		12000		4000		5000		6000		8000		10000		12000		
Stroke Length	mm	300	200	400	250	450	250	450	250	450	300	450	300	450	300	400	250	450	250	450	250	450	300	450	300	450	300	
Stroke per Minute	spm	15~30	25~50	15~26	25~50	12~22	25~50	12~22	25~50	10~20	20~40	10~20	20~40	10~20	20~40	15~26	25~50	12~22	25~50	12~22	25~50	10~20	20~40	10~20	20~40	10~20	20~40	
Tonnage Rating Point	mm	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	
Die Height	mm	600		700		700		700		800		800		800		700		700		700		800		800		800		
Slide Adjustment	mm	200		250		250		250		300		300		300		250		250		250		300		300		300		
Slide Area (LR x FB)	1	2200x1200		2500x1400		2500x1450		2500x1550		2800x1550		3100x1550		3400x1550		2500x2000		2500x2000		2500x2000		2800x2200		3100x2200		3400x2200		
	2	2500x1200		2800x1400		2800x1450		2800x1550		3100x1550		3400x1550		3700x1550		2800x2000		2800x2000		2800x2000		3100x2200		3400x2200		3700x2200		
	3	2800x1200		3100x1400		3100x1450		3100x1550		3400x1550		3700x1550		4000x1550		3100x2000		3100x2000		3100x2000		3400x2200		3700x2200		4000x2200		
	4	3100x1200		3400x1400		3400x1450		3400x1550		3700x1550		4000x1550		4300x1550		3400x2000		3400x2000		3400x2000		3700x2200		4000x2200		4300x2200		
	5	3400x1200		3700x1400		3700x1450		3700x1550		4000x1550		4300x1550		4600x1550		3700x2000		3700x2000		3700x2000		4000x2200		4300x2200		4600x2200		
Bolster Area (LR x FB)	1	2200x1370		2500x1400		2500x1450		2500x1550		2800x1550		3100x1550		3400x1550		2500x2000		2500x2000		2500x2000		2800x2200		3100x2200		3400x2200		
	2	2500x1370		2800x1400		2800x1450		2800x1550		3100x1550		3400x1550		3700x1550		2800x2000		2800x2000		2800x2000		3100x2200		3400x2200		3700x2200		
	3	2800x1370		3100x1400		3100x1450		3100x1550		3400x1550		3700x1550		4000x1550		3100x2000		3100x2000		3100x2000		3400x2200		3700x2200		4000x2200		
	4	3100x1370		3400x1400		3400x1450		3400x1550		3700x1550		4000x1550		4300x1550		3400x2000		3400x2000		3400x2000		3700x2200		4000x2200		4300x2200		
	5	3400x1370		3700x1400		3700x1450		3700x1550		4000x1550		4300x1550		4600x1550		3700x2000		3700x2000		3700x2000		4000x2200		4300x2200		4600x2200		
Bolster Thickness	mm	180		180		180		250		250		250		300		180		180		250		250		250		300		
Window Opening	Bolster Only	FB × UD	1000x500		1100x600		1200x600		1300x600		1500x700		1500x700		1500x700		1800x600		1800x600		1800x600		2000x700		2000x700		2000x700	
	Front to Back Rolling Bolster		1000x500		1100x600		1200x600		1300x600		1500x700		1500x700		1500x700		1800x600		1800x600		1800x600		2000x700		2000x700		2000x700	
	Left to Right Rolling Bolster		1670x700		1700x800		1750x800		1850x800		1850x900		1850x900		1850x900		2300x800		2300x800		2300x800		2500x900		2500x900		2500x900	
Upper Die Weight*	Ton	3		4		4.5		5		5.5		6		7		7		7		8		9		9		10		
Required Air Pressure	MPa	0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		
Bolster Height	Fixed Bolster	mm	850		850		850		850		850		850		850		660		660		660		660		740		740	
	Rolling Bolster		660		660		660		660		660		740		740		660		660		660		660		740		740	
Main Motor	W/O Die Cushion	kW×P	37×4		45×4		55×4		55×4		75×4		90×4		90×4		45×4		55×4		55×4		75×4		90×4		90×4	
	W/ Die Cushion		37×4		45×4		55×4		55×4		75×4		90×4		110×4		45×4		55×4		55×4		75×4		90×4		110×4	
Die Cushion	Type**		bellows		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder	
	Capacity	kN	550	—	600	—	800	—	1000	—	1200***	—	1500	—	2000	—	600	—	800	—	1000	—	1200*	—	1500	—	2000	—
	Stroke Length	mm	150	—	200	—	220	—	220	—	220	—	220	—	220	—	200	—	220	—	220	—	220	—	220	—	220	—
Adjustment	mm	—	—	200	—	220	—	220	—	220	—	220	—	220	—	200	—	220	—	220	—	220	—	220	—	220	—	
Die Cushion Area (LR x FB)	1	mm	1700x900		2000x900		2000x950		2000x950		2300x950		2600x950		2900x950		2000x1300		2000x1300		2000x1300		2300x1500		2600x1500		2900x1500	
	2		2000x900		2300x900		2300x950		2300x950		2600x950		2900x950		3200x950		2300x1300		2300x1300		2300x1300		2600x1500		2900x1500		3200x1500	
	3		2300x900		2600x900		2600x950		2600x950		2900x950		3200x950		3500x950		2600x1300		2600x1300		2600x1300		2900x1500		3200x1500		3500x1500	
	4		2600x900		2900x900		2900x950		2900x950		3200x950		3500x950		3800x950		2900x1300		2900x1300		2900x1300		3200x1500		3500x1500		3800x1500	

* Upper die weight may vary in table size. Please contact your sales representative for more information.

* For SAG4-800-1, only 1000kN die cushion is available.

** For selecting 1200kN, 1500kN and 2000kN air cylinder die cushions, bolster area in FB should be at least 1700mm, cushion area in FB should be 1300mm.

*** For SAG2-800-1, only 1000kN die cushion is available.

※ Slide and Bolster area up to 5500x1550 by request.

※ This specification is subject to change without notice.

SLG2 · SLG4 SERIES

Model		SLG2-300		SLG2-400		SLG2-500		SLG2-600		SLG2-800		SLG2-1000		SLG2-1200		SLG4-400		SLG4-500		SLG4-600		SLG4-800		SLG4-1000		SLG4-1200			
Type		S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H		
Tonnage Capacity		kN		3000		4000		5000		6000		8000		10000		12000		4000		5000		6000		8000		10000		12000	
Stroke Length		mm		300	200	400	250	450	250	450	250	450	300	450	300	450	300	400	250	450	250	450	250	450	300	450	300	450	300
Stroke per Minute		spm		15~30	25~50	15~26	25~50	12~22	25~50	12~22	25~50	10~20	20~40	10~20	20~40	10~20	20~40	15~26	25~50	12~22	25~50	12~22	25~50	10~20	20~40	10~20	20~40	10~20	20~40
Tonnage Rating Point		mm		13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5	13	6.5
Die Height		mm		600		700		700		700		800		800		800		700		700		700		800		800		800	
Slide Adjustment		mm		200		250		250		250		300		300		300		250		250		250		300		300		300	
Slide Area (LR x FB)	1	mm	2200x1200		2500x1400		2500x1450		2500x1550		2800x1550		3100x1550		3400x1550		2500x2000		2500x2000		2500x2000		2800x2200		3100x2200		3400x2200		
	2		2500x1200		2800x1400		2800x1450		2800x1550		3100x1550		3400x1550		3700x1550		2800x2000		2800x2000		2800x2000		3100x2200		3400x2200		3700x2200		
	3		2800x1200		3100x1400		3100x1450		3100x1550		3400x1550		3700x1550		4000x1550		3100x2000		3100x2000		3100x2000		3400x2200		3700x2200		4000x2200		
	4		3100x1200		3400x1400		3400x1450		3400x1550		3700x1550		4000x1550		4300x1550		3400x2000		3400x2000		3400x2000		3700x2200		4000x2200		4300x2200		
	5		3400x1200		3700x1400		3700x1450		3700x1550		4000x1550		4300x1550		4600x1550		3700x2000		3700x2000		3700x2000		4000x2200		4300x2200		4600x2200		
Bolster Area (LR x FB)	1	mm	2200x1370		2500x1400		2500x1450		2500x1550		2800x1550		3100x1550		3400x1550		2500x2000		2500x2000		2500x2000		2800x2200		3100x2200		3400x2200		
	2		2500x1370		2800x1400		2800x1450		2800x1550		3100x1550		3400x1550		3700x1550		2800x2000		2800x2000		2800x2000		3100x2200		3400x2200		3700x2200		
	3		2800x1370		3100x1400		3100x1450		3100x1550		3400x1550		3700x1550		4000x1550		3100x2000		3100x2000		3100x2000		3400x2200		3700x2200		4000x2200		
	4		3100x1370		3400x1400		3400x1450		3400x1550		3700x1550		4000x1550		4300x1550		3400x2000		3400x2000		3400x2000		3700x2200		4000x2200		4300x2200		
	5		3400x1370		3700x1400		3700x1450		3700x1550		4000x1550		4300x1550		4600x1550		3700x2000		3700x2000		3700x2000		4000x2200		4300x2200		4600x2200		
Bolster Thickness		mm		180		180		180		250		250		250		300		180		180		250		250		250		300	
Window Opening	Bolster Only	mm	FB × UD	1000x500		1100x600		1200x600		1300x600		1500x700		1500x700		1500x700		1800x600		1800x600		1800x600		2000x700		2000x700		2000x700	
	Front to Back Rolling Bolster			1000x500		1100x600		1200x600		1300x600		1500x700		1500x700		1500x700		1800x600		1800x600		1800x600		2000x700		2000x700		2000x700	
	Left to Right Rolling Bolster			1670x700		1700x800		1750x800		1850x800		1850x900		1850x900		1850x900		2300x800		2300x800		2300x800		2500x900		2500x900		2500x900	
Upper Die Weight*		Ton		3		4		4.5		5		5.5		6		7		7		7		8		9		9		10	
Required Air Pressure		MPa		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55	
Bolster Height	Fixed Bolster	mm	850		850		850		850		850		850		850		660		660		660		660		740		740		
	Rolling Bolster		660		660		660		660		660		740		740														
Main Motor	W/O Die Cushion	kW×P	37×4		45×4		55×4		55×4		75×4		90×4		90×4		45×4		55×4		55×4		75×4		90×4		110×4		
	W/ Die Cushion														110×4														
Die Cushion	Type**	bellows		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder		cylinder			
	Capacity	kN		550	—	600	—	800	—	1000	—	1200***	—	1500	—	2000	—	600	—	800	—	1000	—	1200*	—	1500	—	2000	—
	Stroke Length	mm		150	—	200	—	220	—	220	—	220	—	220	—	220	—	200	—	220	—	220	—	220	—	220	—	220	—
Adjustment	mm		—	—	200	—	220	—	220	—	220	—	220	—	220	—	200	—	220	—	220	—	220	—	220	—	220	—	
Die Cushion Area (L.R. × F.B.)	1	mm	1700x900		2000x900		2000x950		2000x950		2300x950		2600x950		2900x950		2000x1300		2000x1300		2000x1300		2300x1500		2600x1500		2900x1500		
	2		2000x900		2300x900		2300x950		2300x950		2600x950		2900x950		3200x950		2300x1300		2300x1300		2300x1300		2600x1500		2900x1500		3200x1500		
	3		2300x900		2600x900		2600x950		2600x950		2900x950		3200x950		3500x950		2600x1300		2600x1300		2600x1300		2900x1500		3200x1500		3500x1500		
	4		2600x900		2900x900		2900x950		2900x950		3200x950		3500x950		3800x950		2900x1300		2900x1300		2900x1300		3200x1500		3500x1500		3800x1500		

* Upper die weight may vary in table size. Please contact your sales representative for more information.

* For SLG4-800-1, only 1000kN die cushion is available.

** For selecting 1200kN, 1500kN and 2000kN air cylinder die cushions, bolster area in FB should be at least 1700mm, cushion area in FB should be 1300mm.

*** For SLG2-800-1, only 1000kN die cushion is available.

※ Slide and Bolster area up to 5500x1550 by request.

※ This specification is subject to change without notice.

SE2 · SE4 SERIES

Model		SE2-400	SE2-500	SE2-600	SE2-800	SE2-1000	SE2-1200	SE4-400	SE4-500	SE4-600	SE4-800	SE4-1000	SE4-1200	SE4-1600	SE4-2000	SE4-2400		
Type		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
Tonnage Capacity	kN	4000	5000	6000	8000	10000	12000	4000	5000	6000	8000	10000	12000	16000	20000	24000		
Stroke Length	mm	500	500	500	600	600	800	500	500	500	600	600	800	800	900	1000		
Stroke per Minute	spm	15~26	12~24	12~22	10~18	10~18	10~18	15~26	12~24	12~22	10~20	10~20	10~20	10~20	10~20	10~20		
Tonnage Rating Point	mm	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
Die Height	mm	700	800	800	1000	1000	1100	700	800	800	1000	1000	1100	1200	1300	1400		
Slide Adjustment	mm	300	400	400	400	400	500	300	400	400	400	400	500	500	600	600		
Slide Area (LR x FB)	1	mm	2500×1400	2500×1450	2500×1550	2800×1700	3100×1700	3400×1700	2500×2000	2500×2000	2500×2000	2800×2200	3100×2200	3400×2200	3400×2200	4000×2200	4000×2200	
	2		2800×1400	2800×1450	2800×1550	3100×1700	3400×1700	3700×1700	2800×2000	2800×2000	2800×2000	3100×2200	3400×2200	3700×2200	3700×2200	4300×2200	4300×2200	
	3		3100×1400	3100×1450	3100×1550	3400×1700	3700×1700	4000×1700	3100×2000	3100×2000	3100×2000	3400×2200	3700×2200	4000×2200	4000×2200	4600×2200	4600×2200	
	4		3400×1400	3400×1450	3400×1550	3700×1700	4000×1700	4300×1700	3400×2000	3400×2000	3400×2000	3700×2200	4000×2200	4300×2200	4300×2200	4900×2200	4900×2200	
	5		3700×1400	3700×1450	3700×1550	4000×1700	4300×1700	4600×1700	3700×2000	3700×2000	3700×2000	4000×2200	4300×2200	4600×2200	4600×2200	5200×2200	5200×2200	
Bolster Area (LR x FB)	1	mm	2500×1400	2500×1450	2500×1550	2800×1700	3100×1700	3400×1700	2500×2000	2500×2000	2500×2000	2800×2200	3100×2200	3400×2200	3400×2200	4000×2200	4000×2200	
	2		2800×1400	2800×1450	2800×1550	3100×1700	3400×1700	3700×1700	2800×2000	2800×2000	2800×2000	3100×2200	3400×2200	3700×2200	3700×2200	4300×2200	4300×2200	
	3		3100×1400	3100×1450	3100×1550	3400×1700	3700×1700	4000×1700	3100×2000	3100×2000	3100×2000	3400×2200	3700×2200	4000×2200	4000×2200	4600×2200	4600×2200	
	4		3400×1400	3400×1450	3400×1550	3700×1700	4000×1700	4300×1700	3400×2000	3400×2000	3400×2000	3700×2200	4000×2200	4300×2200	4300×2200	4900×2200	4900×2200	
	5		3700×1400	3700×1450	3700×1550	4000×1700	4300×1700	4600×1700	3700×2000	3700×2000	3700×2000	4000×2200	4300×2200	4600×2200	4600×2200	5200×2200	5200×2200	
Bolster Thickness	mm	180	180	250	250	250	300	180	180	250	250	250	300	300	300	300		
Window Opening	Bolster Only	mm	FB × UD	1200×600	1200×700	1350×700	1500×900	1500×900	1500×1000	1800×600	1800×700	1800×700	2000×900	2000×900	2000×1000	2000×1100	2000×1200	2000×1300
	Front to Back Rolling Bolster			1200×600	1200×700	1350×700	1500×900	1500×900	1500×1000	1800×600	1800×700	1800×700	2000×900	2000×900	2000×1000	2000×1100	2000×1200	2000×1300
	Left to Right Rolling Bolster			1700×800	1750×900	1850×900	2000×1100	2000×1100	2000×1200	2300×800	2300×900	2300×900	2500×1100	2500×1100	2500×1200	2500×1300	2500×1400	2500×1500
Upper Die Weight*	Ton	5	6	6	7	7	8	8	8	9	10	10	11	13	15	20		
Required Air Pressure	MPa	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55		
Bolster Height	Fixed Bolster	mm	850	850	850	850	850	850	660	660	660	660	740	740	740	740		
	Rolling Bolster		660	660	660	660	740	740										
Main Motor	W/O Die Cushion	kW×P	45×4	55×4	55×4	75×4	90×4	90×4	45×4	55×4	55×4	75×4	90×4	90×4	130×4	150×4	185×4	
	W/ Die Cushion													110×4	150×4	185×4	225×4	
Die Cushion	Type		cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder		
	Capacity	kN	600	800	1000	1200**	1500	2000	600	800	1000	1200*	1500	2000	2400	3000	3000	
	Stroke Length	mm	200	220	220	220	220	220	200	220	220	250	250	250	250	300	300	
	Adjustment	mm	200	220	220	220	220	220	200	220	220	250	250	250	250	300	300	
Die Cushion Area (LR x FB)	1	mm	2000×900	2000×950	2000×950	2300×1300	2600×1300	2900×1300	2000×1300	2000×1300	2000×1300	2300×1500	2600×1500	2900×1500	2900×1500	3500×1500	3500×1500	
	2		2300×900	2300×950	2300×950	2600×1300	2900×1300	3200×1300	2300×1300	2300×1300	2300×1300	2600×1500	2900×1500	3200×1500	3200×1500	3800×1500	3800×1500	
	3		2600×900	2600×950	2600×950	2900×1300	3200×1300	3500×1300	2600×1300	2600×1300	2600×1300	2900×1500	3200×1500	3500×1500	3500×1500	4100×1500	4100×1500	
	4		2900×900	2900×950	2900×950	3200×1300	3500×1300	3800×1300	2900×1300	2900×1300	2900×1300	3200×1500	3500×1500	3800×1500	3800×1500	4400×1500	4400×1500	

* Upper die weight may vary in table size. Please contact your sales representative for more information.

* For SE4-800-1, only 1000kN die cushion is available.

** For SE2-800-1, only 1000kN die cushion is available.

※ Slide and Bolster area up to 5500x1550 by request.

※ This specification is subject to change without notice.

SEL2 · SEL4 SERIES

Model		SEL2-400	SEL2-500	SEL2-600	SEL2-800	SEL2-1000	SEL2-1200	SEL4-400	SEL4-500	SEL4-600	SEL4-800	SEL4-1000	SEL4-1200	SEL4-1600	SEL4-2000	SEL4-2400		
Type		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
Tonnage Capacity	kN	4000	5000	6000	8000	10000	12000	4000	5000	6000	8000	10000	12000	16000	20000	24000		
Stroke Length	mm	500	500	500	600	600	800	500	500	500	600	600	800	800	900	1000		
Stroke per Minute	spm	15~26	12~24	12~22	10~18	10~18	10~18	15~26	12~24	12~22	10~20	10~20	10~20	10~20	10~20	10~20		
Tonnage Rating Point	mm	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
Die Height	mm	700	800	800	1000	1000	1100	700	800	800	1000	1000	1100	1200	1300	1400		
Slide Adjustment	mm	300	400	400	400	400	500	300	400	400	400	400	500	500	600	600		
Slide Area (LR x FB)	1	mm	2500×1400	2500×1450	2500×1550	2800×1700	3100×1700	3400×1700	2500×2000	2500×2000	2500×2000	2800×2200	3100×2200	3400×2200	3400×2200	4000×2200	4000×2200	
	2		2800×1400	2800×1450	2800×1550	3100×1700	3400×1700	3700×1700	2800×2000	2800×2000	2800×2000	3100×2200	3400×2200	3700×2200	3700×2200	4300×2200	4300×2200	
	3		3100×1400	3100×1450	3100×1550	3400×1700	3700×1700	4000×1700	3100×2000	3100×2000	3100×2000	3400×2200	3700×2200	4000×2200	4000×2200	4600×2200	4600×2200	
	4		3400×1400	3400×1450	3400×1550	3700×1700	4000×1700	4300×1700	3400×2000	3400×2000	3400×2000	3700×2200	4000×2200	4300×2200	4300×2200	4900×2200	4900×2200	
	5		3700×1400	3700×1450	3700×1550	4000×1700	4300×1700	4600×1700	3700×2000	3700×2000	3700×2000	4000×2200	4300×2200	4600×2200	4600×2200	5200×2200	5200×2200	
Bolster Area (LR x FB)	1	mm	2500×1400	2500×1450	2500×1550	2800×1700	3100×1700	3400×1700	2500×2000	2500×2000	2500×2000	2800×2200	3100×2200	3400×2200	3400×2200	4000×2200	4000×2200	
	2		2800×1400	2800×1450	2800×1550	3100×1700	3400×1700	3700×1700	2800×2000	2800×2000	2800×2000	3100×2200	3400×2200	3700×2200	3700×2200	4300×2200	4300×2200	
	3		3100×1400	3100×1450	3100×1550	3400×1700	3700×1700	4000×1700	3100×2000	3100×2000	3100×2000	3400×2200	3700×2200	4000×2200	4000×2200	4600×2200	4600×2200	
	4		3400×1400	3400×1450	3400×1550	3700×1700	4000×1700	4300×1700	3400×2000	3400×2000	3400×2000	3700×2200	4000×2200	4300×2200	4300×2200	4900×2200	4900×2200	
	5		3700×1400	3700×1450	3700×1550	4000×1700	4300×1700	4600×1700	3700×2000	3700×2000	3700×2000	4000×2200	4300×2200	4600×2200	4600×2200	5200×2200	5200×2200	
Bolster Thickness	mm	180	180	250	250	250	300	180	180	250	250	250	300	300	300	300		
Window Opening	Bolster Only	mm	FB × UD	1200×600	1200×700	1350×700	1500×900	1500×900	1500×1000	1800×600	1800×700	1800×700	2000×900	2000×900	2000×1000	2000×1100	2000×1200	2000×1300
	Front to Back Rolling Bolster			1200×600	1200×700	1350×700	1500×900	1500×900	1500×1000	1800×600	1800×700	1800×700	2000×900	2000×900	2000×1000	2000×1100	2000×1200	2000×1300
	Left to Right Rolling Bolster			1700×800	1750×900	1850×900	2000×1100	2000×1100	2000×1200	2300×800	2300×900	2300×900	2500×1100	2500×1100	2500×1200	2500×1300	2500×1400	2500×1500
Upper Die Weight*	Ton	5	6	6	7	7	8	8	8	9	10	10	11	13	15	20		
Required Air Pressure	MPa	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55		
Bolster Height	Fixed Bolster	mm	850	850	850	850	850	850	660	660	660	660	740	740	740	740		
	Rolling Bolster		660	660	660	660	740	740										
Main Motor	W/O Die Cushion	kW×P	45×4	55×4	55×4	75×4	90×4	90×4	45×4	55×4	55×4	75×4	90×4	90×4	130×4	150×4	185×4	
	W/ Die Cushion													110×4	150×4	185×4	225×4	
Die Cushion	Type		cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder	cylinder		
	Capacity	kN	600	800	1000	1200**	1500	2000	600	800	1000	1200*	1500	2000	2400	3000	3000	
	Stroke Length	mm	200	220	220	220	220	220	200	220	220	250	250	250	250	300	300	
	Adjustment	mm	200	220	220	220	220	220	200	220	220	250	250	250	250	300	300	
Die Cushion Area (LR x FB)	1	mm	2000×900	2000×950	2000×950	2300×1300	2600×1300	2900×1300	2000×1300	2000×1300	2000×1300	2300×1500	2600×1500	2900×1500	2900×1500	3500×1500	3500×1500	
	2		2300×900	2300×950	2300×950	2600×1300	2900×1300	3200×1300	2300×1300	2300×1300	2300×1300	2600×1500	2900×1500	3200×1500	3200×1500	3800×1500	3800×1500	
	3		2600×900	2600×950	2600×950	2900×1300	3200×1300	3500×1300	2600×1300	2600×1300	2600×1300	2900×1500	3200×1500	3500×1500	3500×1500	4100×1500	4100×1500	
	4		2900×900	2900×950	2900×950	3200×1300	3500×1300	3800×1300	2900×1300	2900×1300	2900×1300	3200×1500	3500×1500	3800×1500	3800×1500	4400×1500	4400×1500	

* Upper die weight may vary in table size. Please contact your sales representative for more information.

* For SEL4-800-1, only 1000kN die cushion is available.

** For SEL2-800-1, only 1000kN die cushion is available.

※ Slide and Bolster area up to 5500x1550 by request.

※ This specification is subject to change without notice.

SAG · SLG SERIES

Standard Attachments

- Counter Balance
- Hydraulic Overload Protection
- Motorized Slide Adjustment
- Programmable Cam Switches
- SPM and Crank Angle Displays
- Total Counter -1 set
- Preset Counter -1 set
- Maintenance Counter -1 set
- Misfeed Socket -2 sets
- Air Outlet -2 sets
- Air Ejector -1 set
- Main Motor with Inverter
- Main Motor FWD/REV Controller
- Anti-Repeat Safety Circuit
- Electronic Die Release
- Automatic Recirculating Lubrication System
- Embedded Operator Console
- Touch Panel
- Combination Wet Clutch / Brake
- Dual Check Safety Electrical Circuit
- Key-Locked Emergency Stop Button
- Die Lamp
- Safety Fence
- Ladder
- Portable Operator Stand -1 set
- Tool Box
- Job Storage Capacity -99 sets

Optional Attachments

- Die Cushion
- Die Cushion Stroke Adjustment
- Die Cushion Locking Device
- Die Cushion Pin Lifting Device
- Light Curtains
- Quick Die Change System
- Rolling Bolster
- Knockout Device
- Tonnage Indicator
- Pressurized Air Supply
- Anti Vibration Mounts
- Safety Door
- Safety Block
- Work Area Light for Front & Rear
- Flywheel Brake
- Automatic Counter Balance Pressure Adjustment
- Standalone Operator Cabinet

SE · SEL SERIES

Standard Attachments

- Counter Balance
- Automatic Counter Balance Pressure Adjustment
- Hydraulic Overload Protection
- Auto Die Height Adjustment
- Programmable Cam Switches
- SPM and Crank Angle Displays
- Total Counter -1 set
- Preset Counter -1 set
- Maintenance Counter -1 set
- Misfeed Socket -2 sets
- Air Outlet -2 sets
- Air Ejector -1 set
- Main Motor with Inverter
- Main Motor FWD/REV Controller
- Anti-Repeat Safety Circuit
- Electronic Die Release
- Automatic Recirculating Lubrication System
- Embedded Operator Console
- Touch Panel
- Combination Wet Clutch / Brake
- Dual Check Safety Electrical Circuit
- Key-Locked Emergency Stop Button
- Die Lamp
- Safety Fence
- Ladder
- Portable Operator Stand -1 set
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- Work Area Light for Front & Rear
- Flywheel Brake
- Standalone Operator Cabinet