



Hydraulic Swing Beam Shear

HGS-A

GENERAL SPECIFICATION

ERMAK HGS-A Series are high performing and economic machines with modern design, strong steel weld construction frame and perfect cutting quality.

Available dimensions are 2600, 3100, 4100 mm and capacities are 6 mm, 8 mm. Main frame and top beam are in box construction and highly resistant to twisting forces. Fast and precise blade gap adjustment system is placed on the right side of the machine. Blade gap adjustment for high quality cutting could be made without any step and from a single point. HGS Series shears are the best performers in their category with 18-20 strokes per minute in full length.

- ◊ Return of ram to TDC (top dead center) by dashpot working with pressurized gas.
- ◊ The dashpots are placed at the top of the machine and don't obstruct to the cut sheets and additional systems like pneumatic sheet support system, conveyor system etc.
- ◊ The oil tank is mobilized. Cleaning, equipment assembling - disassembling, integration of optional cooling system is easier.
- ◊ Blade gap adjustment alternatives of 1, 2, 3, 4, 5, 6 mm sheet thicknesses.

STANDARD QUIPMENTS

- Mono block, welded steel frame rigid to deflection moment and high tensile with ST44 A1 material.
- ELGO 9521 NC controller,
- One-piece honed and chrome plated double acting powerful cylinders,
- High quality top and bottom blades,
Bottom : 4
Top : 2 cutting sides.
- Easily adjustable blade gap adjustment system from single point,
- Bosch – Rexroth hydraulic system,
- High pressurized silent Atos pump,
- Fast and powerful back gauge with 1000mm distance , moving by ballscrewed shafts , with automatic swing away feature,
- Avoiding sheet sliding during cutting action, powerful hold downs with maximum performance,
- Cutting length adjustment allowing stroke adjustment for shorter sheets and shorten the cutting time,
- Roller bearings on the table to help placing sheets to machine easily,
- Front support arms with ruler and flip-stop,
- Foot pedal available for single or continuous cutting,
- Cutting line illumination,
- Sick backside protections

OPTIONAL QUIPMENTS

- ERMAK **CNC HGS** Automatic Blade GAP and Automatic Target Stroke adjustment according to material, thickness and length by Cybelec DNC61G cut
- Pneumatic sheet support system,
- Pneumatic sheet unloading system,
- Automatic stacking system,
- Laser cutting line,
- Finger protective light curtain,
- Oil coolant,
- Longer front arms or squaring arm,
- Angular gauge.



ELGO P9521 (STANDARD)

- Manual operation mode
- Single operation mode
- Ability to make cutting program
- Inch/mm conversion
- 99 step program
- Parametric adjustments

LASER CUTTING LINE



With the help of laser cutting line, angled or drawn line cuttings could be done easily and controllably. (Optional)

PNEUMATIC SYSTEM



Pneumatic sheet support system that provides the user an easy method of working, is an optional function to protect hanging of sheets down and to improve cutting precision during cutting of long and thin sheets.

COLLAPSIBLE FRONT COVER

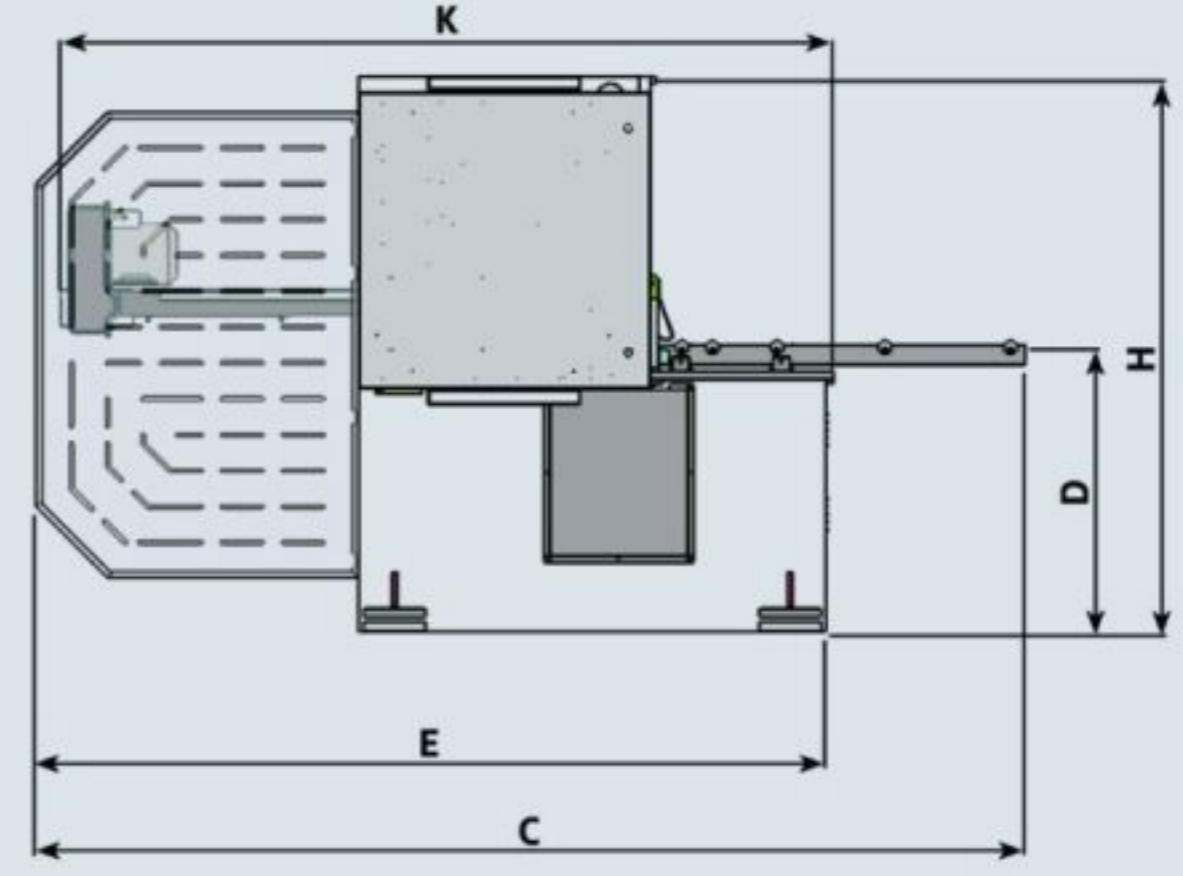


For safety reasons, front side of the hold downs is closed with a protection cover and upon customers' request, 1 m. part on the left side of this cover could be opened. With the help of this system, angled or drawn line cuttings could be done easily and controllably.

ANGLE GAUGE



TECHNICAL DIMENSIONS



All specs are subject to change without notice

TYPES	CUTTING LENGTH	CUTTING CAPACITY (45 kg/mm ²)	CUTTING CAPACITY (70 kg/mm ²)	CUTTING ANGLE	STROKE PER MINUTE	NUMBER OF HOLD DOWNS	PRESSURE	MAIN MOTOR	BACKGAUGE MOTOR	OIL CAPACITY	BLADE GAP ADJUSTMENT (min-max)	BACKGAUGE TRAVEL	BACKGAUGE SPEED	NUMBER OF SHEET SUPPORT ARMS	TABLE LENGTH	MACHINE WIDTH	TABLE HEIGHT	WIDTH	TRANSPORT WIDTH	LENGTH	HEIGHT	WEIGHT
	A														B	C	D	E	K	L	H	
	mm	mm	mm	(°)	1/min.	Amount	ton	kw	kw	Lt.	mm	mm	mm/sec	Amount	mm	mm	mm	mm	mm	mm	mm	mm
HGS-A 2100-6	2100	6	4	1.2	28	11	9	11	0.75	150	0.05-0.8	1000	110	2	2415	3010	800	2410	2150	2900	1640	4500
HGS-A 2600-6	2600	6	4	1.2	20	13	10	11	0.75	150	0.05-0.8	1000	110	2	2900	3010	800	2410	2150	3400	1640	5000
HGS-A 3100-6	3100	6	4	1.2	18	14	12	11	0.75	150	0.05-0.8	1000	110	2	3400	3010	800	2410	2150	4000	1640	5500
HGS-A 3600-6	3600	6	4	1.2	15	16	14	11	0.75	150	0.05-0.8	1000	110	3	3930	3010	800	2410	2150	4440	1650	6250
HGS-A 4100-6	4100	6	4	1.2	15	18	15	11	0.75	150	0.05-0.8	1000	110	3	4430	3010	800	2410	2150	4940	1650	7000
HGS-A 2100-8	2100	8	5	1.5	20	11	12	15	0.75	200	0.05-1	1000	110	2	2450	3040	800	2450	2175	3485	1650	4950
HGS-A 2600-8	2600	8	5	1.5	18	13	14	15	0.75	200	0.05-1	1000	110	2	2450	3040	800	2450	2175	3485	1650	5750
HGS-A 3100-8	3100	8	5	1.5	16	14	18	15	0.75	200	0.05-1	1000	110	2	3450	3040	800	2450	2175	4025	1650	6650

Consult to our company for special dimension and capacity applied machines.

