

Leading
Technology



GUILLOTINE SHEARS

**HYPER - FORCE - PRESTIGE
SERIES**



CNC VARIABLE RAKE HYDRAULIC GUILLOTINE SHEAR

HYPER SERIES

STANDART FEATURES

- Elgo P40T Colored Touchscreen Cnc Control Unit
- Automatically adjusted blade gap by CNC
- Automatically adjusted cutting length by CNC
- Automatically adjusted rake angle by CNC
- Full Length Finger Guards Cage
- Shadow line & Lighting
- Ball integrated front tables
- AC Motorized back gauge, 1000 mm with Automatic swing-up
- Squaring arm with scale & T-Slot & Tilting stop (L= 1000 mm)
- Support arms (L=1000 mm) 2 pcs.
- Back Safety System
- Foot Pedal with Emergency Stop Button
- Top and Bottom Blades

OPTIONAL FEATURES

- Cybelec Touch 8 Control Unit
- Pneumatic sheet support system (Back)
- 0-180° Front angle gauge
- Laser Cutting Line
- Light Curtains for Finger Safety
- Oil Heaters
- Oil Fan Cooler
- Manual Central Lubrication
- Motorized Central Lubrication
- 1 meter Flip-up Finger Guards Cage



Machine body produced with advanced technology.
Excellent cutting precision.
New generation design with high performance.

GENERAL FEATURES

HYPER Series CNC Variable Rake Hydraulic Guillotine Shears that provide the appropriate solutions for your needs, proved to be user friendly with its advanced technological features produced with high efficiency, precision and performance criteria. The HYPER Seires CNC Variable Rake Hydraulic Guillotine Shears has proved to be the best and strongest in the industry with its ease of use.

When you enter the length, thickness and material information of the sheet which will be cut into the easily programmable control unit; gap distance, cutting angle stroke and cutting length are automatically adjusted instantaneously.

While providing flexibility for different production requirements, the time loss was totally eliminated by targeting high productivity.

- The machine frame is manufactured with advanced technology with very precise tolerances and stress relieved with large welded components. All tensile points are designed with large radii and strain accumulation and possible welding cracks are eliminated.

- The lower table and upper table inertia are designed for optimum value for the minimum deformation affecting the cutting quality.

- The top plate is designed to be positioned vertically so that the roller bearings, piston bearings and felts can compensate for vertical loads.

- The hydraulic cylinder is designed as double-sided and honed to a surface quality of 2 microns. Thus, minimum wear resistance is created for the felts. The cylinder bodies are manufactured as SAE 1040 material forged.

- The hydraulic cylinders are specially designed and the upper table is mounted with cylinder springs and doubly secure to cylinders as spherical connection. At this point, the power that generated during cutting is evenly distributed to the machine body.

- Piston head features: Omega-type felts are fitted with wide bronze bearings, semi-angled sleeves.

- The Hilalsan hydraulic system allows precise usage at all pressure values up to the maximum operating pressure. At the same time, with these pressure values, precise cylinder positioning, synchronization and repeatability are achieved.

- Backgauge system is manufactured in accordance with environmental conditions. Backgauge bearings are made for heavy conditions with double bearers. Scrapping type bearings are used against dust and other particles that will accumulate in the linear guideways against dusty environmental conditions.

- The outer surface of the machine is painted with two layers of paint at least 60 microns in thickness to protect against weather conditions. Paint drying is done gradually in different time and temperature ranges in state-of-the-art ovens.

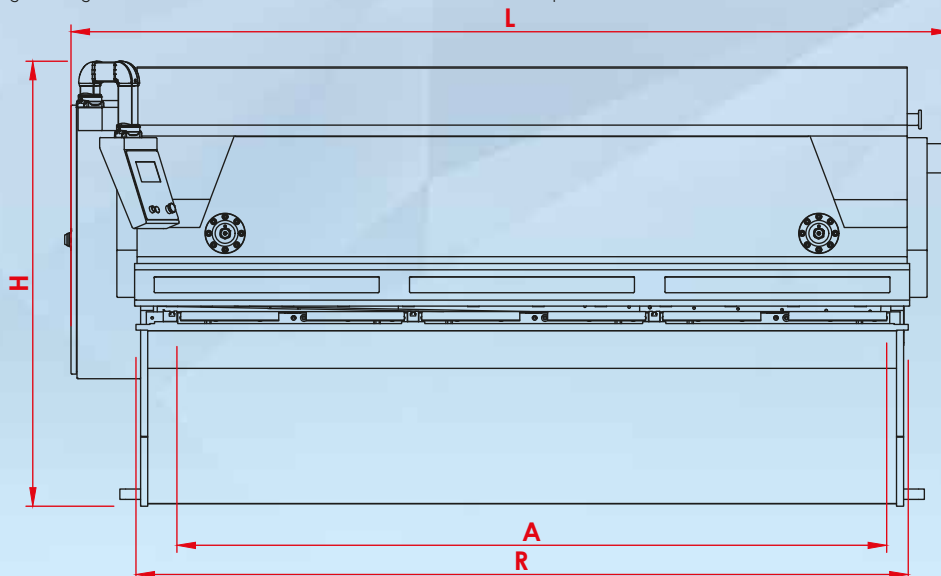


CNC VARIABLE RAKE HYDRAULIC GUILLOTINE SHEAR

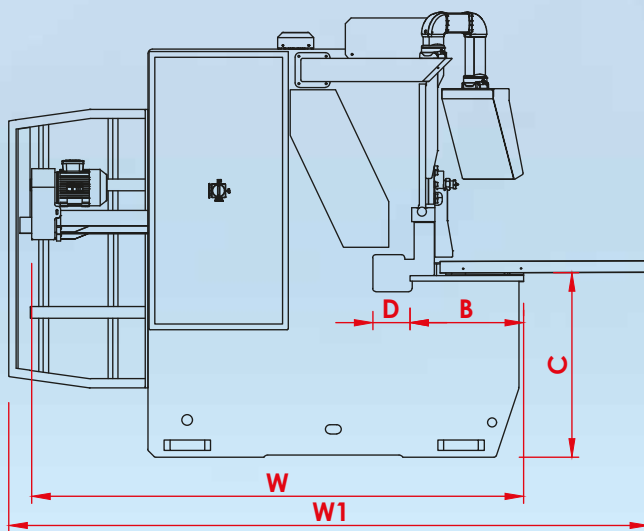
HYPER SERIES

HYPER Machine Type	Cutting Length	Cutting Capacity		Min.Max. Stroke per minute	Cutting Angle		Number of Holddowns	Holddown Force		Backgouge Course	Backgauge Speed	Motor Power
		MS (450 N/mm ²)	SS (700 N/mm ²)		Min.	Max.		Min.	Max.			
	mm A	mm	mm	1/min.	Degree		pcs.	Ton	Ton	mm	mm/sec.	Kw
2506	2580	6	4	13_21	0,3	2	10	3	15	1000	100	11
3006	3080	6	4	12_20	0,3	2	13	4	16	1000	100	11
3010	3080	10	7,5	10_19	0,3	2	16	5	20	1000	100	22
3013	3080	13	10	9_19	0,3	2,3	16	9	38	1000	100	30
3016	3080	16	12	7_16	0,3	2,3	18	10	45	1000	100	37
3020	3080	20	15	5_12	0,3	2,3	16	19	78	1000	100	45
3025	3080	25	18,5	4_10	0,3	2,3	19	22	95	1000	100	55
4006	4080	6	4	10_17	0,3	2	20	6	25	1000	100	11
4010	4080	10	7,5	8_18	0,3	2	20	6	25	1000	100	22
4013	4080	13	10	7_16	0,3	2,3	19	10	45	1000	100	30
4016	4080	16	12	6_15	0,3	2,3	20	12	48	1000	100	37
4020	4080	20	15	4_10	0,3	2,3	19	22	95	1000	100	45
4025	3080	25	18,5	3_9	0,3	2,3	21	25	105	1000	100	55
6006	6080	6	4	7_13	0,3	1,5	29	9	35	1000	100	15
6010	6080	10	7,5	7_13	0,3	2	29	9	35	1000	100	22
6013	6080	13	10	5_13	0,3	2,3	29	17	70	1000	100	30
6016	6080	16	12	4_12	0,3	2,3	29	17	70	1000	100	45
6020	6080	20	15	3_10	0,3	3	27	32	132	1000	100	45
6025	6080	25	18,5	2_8	0,3	3	32	40	160	1000	100	55
8010	8100	10	7,5	3_10	0,3	2	40	23	70	1000	100	30
8016	8100	16	12	3_10	0,3	2	40	23	70	1000	100	45
8020	8100	20	15	2_6	0,3	2,3	40	50	196	1000	100	45

HILALSAN has right to change catalogue values and machine technical details without notice. Misprints are not restrictive.



Oil Capacity	Throat Depth	Front Arms	Table Width	Table Height	Table Length	Length	Width	Total Width	Height	Approximate Weight
lt.	mm. D	pcs.	mm B	mm C	mm R	mm L	mm W	mm W1	mm H	mm Kg.
150	150	3	495	800	2830	3590	2060	3660	1900	6100
150	150	3	495	800	3330	4090	2060	3660	1900	7000
250	150	3	520	820	3350	4120	2120	3720	2100	9000
250	150	3	550	830	3360	4140	2150	3750	2400	11000
350	150	3	550	840	3380	4160	2220	3750	2530	14500
350	150	3	575	850	3420	4200	2300	3850	2650	18500
350	150	3	590	850	3450	4200	2330	3900	2700	23500
250	150	4	500	820	4370	5150	2100	3700	2050	9400
250	150	4	530	820	4380	5180	2150	3750	2350	14000
250	150	4	580	850	4400	5230	2200	3800	2500	17000
350	150	4	600	900	4400	5250	2200	3800	2850	21000
350	150	4	630	960	4420	5300	2220	3800	2950	25500
350	150	4	650	960	4450	5300	2250	3850	3000	31500
250	150	6	550	900	6370	7300	2150	3750	2700	22500
250	150	6	580	920	6375	7300	2150	3750	2750	25500
350	150	6	620	950	6400	7350	2200	3800	2950	32500
350	150	6	650	1000	6450	7400	2200	3800	3350	39000
500	150	6	700	1000	6480	7500	2750	4350	3460	48000
500	150	6	720	1000	6500	7500	2800	4400	3500	59000
500	150	7	750	1200	8450	9150	2200	3800	3200	50000
500	150	7	750	1200	8450	9150	2200	3800	3200	60000
500	150	7	800	1250	8450	9150	2200	3800	3200	72000



HYDRAULIC SWING-BEAM SHEAR

FORCE SERIES

STANDART FEATURES

- BRL 401.2 NC Control Unit
- Manual Blade Gap Adjustment
- Full Length Finger Guards Cage
- Shadow line & Lighting
- Ball integrated front tables
- AC Motorized back gauge, 1000 mm with Automatic swing-up
- Squaring arm with scale & T-Slot & Tilting stop (L= 1000 mm)
- Support arms (L=1000 mm) 2 pcs.
- Back Safety System
- Foot Pedal with Emergency Stop Button
- Top and Bottom Blades

OPTIONAL FEATURES

- Elgo P40T CNC & Automatic Backgauge and Blade Gap Adjustment
- Cybelec Touch 8 CNC & Automatic Backgauge and Blade Gap Adjustment
- Pneumatic sheet support system (Back)
- 0-180° Front angle gauge
- Light Curtains for Finger Safety
- Laser Cutting Line
- Oil Heaters
- Oil Fan Cooler
- Manual Central Lubrication
- Motorized Central Lubrication
- 1 meter Flip-up Finger Guards Cage



Machine body produced with advanced technology.
Excellent cutting precision.
New generation design with high performance.

GENERAL FEATURES

FORCE Series NC Hydraulic Swing-Beam Guillotine Shears that provide the appropriate solutions for your needs, proved to be user friendly with its advanced technological features produced with high efficiency, precision and performance criteria. The FORCE Series NC Hydraulic Swing-Beam Guillotine Shears has proved to be the best and strongest in the industry with its ease of use.

While providing flexibility for different production requirements, the time loss was totally eliminated by targeting high productivity.

- The machine frame is manufactured with advanced technology with very precise tolerances and stress relieved with large welded components. All tensile points are designed with large radii and strain accumulation and possible welding cracks are eliminated.
- The lower table and upper table inertia are designed for optimum value for the minimum deformation affecting the cutting quality.
- The top plate is designed to be positioned vertically so that the roller bearings, piston bearings and felts can compensate for vertical loads.
- The hydraulic cylinder is designed as double-sided and honed to a surface quality of 2 microns. Thus, minimum wear resistance is created for the felts. The cylinder bodies are manufactured as SAE 1040 material forged.

- The hydraulic cylinders are specially designed and the upper table is mounted with cylinder springs and doubly secure to cylinders as spherical connection. At this point, the power that generated during cutting is evenly distributed to the machine body.

- Piston head features: Omega-type felts are fitted with wide bronze bearings, semi-angled sleeves.

- The Hilalsan hydraulic system allows precise usage at all pressure values up to the maximum operating pressure. At the same time, with these pressure values, precise cylinder positioning, synchronization and repeatability are achieved.

- Backgauge system is manufactured in accordance with environmental conditions. Backgauge bearings are made for heavy conditions with double bearers. Scrapping type bearings are used against dust and other particles that will accumulate in the linear guideways against dusty environmental conditions.

- The outer surface of the machine is painted with two layers of paint at least 60 microns in thickness to protect against weather conditions. Paint drying is done gradually in different time and temperature ranges in state-of-the-art ovens.

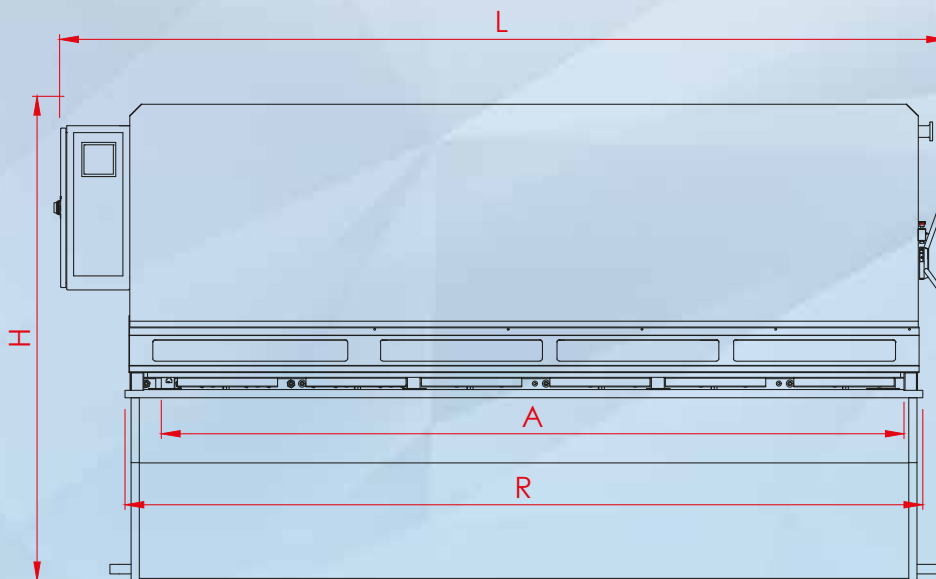


HYDRAULIC SWING-BEAM SHEAR

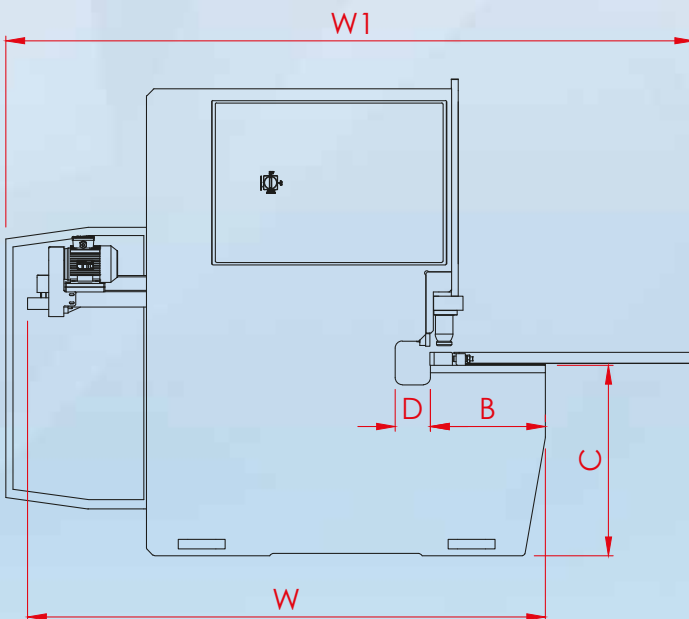
FORCE SERIES

FORCE Machine Type	Cutting Length	Cutting Capacity		Min.Max. Stroke per minute	Cutting Angle	Number of Holddowns	Holddown Force		Backgauge Course	Backgauge Speed	Motor Power
		MS (450 N/mm ²)	MS (700 N/mm ²)				Min.	Max.			
		mm	mm				Ton	Ton			
2506	2580	6	4	15	1,2	10	3	12	1000	100	11
3006	3080	6	4	15	1,2	13	4	16	1000	100	15
3010	3080	10	7,5	13	1,2	16	5	20	1000	100	22
3013	3080	13	10	13	1,45	16	9	38	1000	100	30
4006	4080	6	4	12	1,2	20	6	25	1000	100	15
4010	4080	10	7,5	8	1,2	20	6	25	1000	100	30

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Oil Capacity	Throat Depth	Front Arms	Table Width	Table Height	Table Length	Length	Width	Total Width	Height	Approximate Weight
lt.	mm.	pcs.	mm	mm	mm	mm	mm	mm	mm	mm
	D		B	C	R	L	W	W1	H	Kg.
180	150	3	495	800	2830	3590	2000	3600	1800	5900
150	150	3	495	800	3330	4090	2000	3600	1800	6700
250	150	3	520	820	3350	4120	2050	3650	2000	8600
250	150	3	550	830	3360	4140	2100	3700	2300	10500
250	150	4	500	820	4370	5150	2050	3650	1950	9000
250	150	4	530	820	4380	5180	2100	3700	2250	13400



HYDRAULIC GUILLOTINE SHEARS

HYPER - FORCE SERIES



The guillotine shear bodies machined in 5 Axis CNC machines are able to make more precise cuts.




Squaring arm with scale & T-Slot & Tilting stop
(L= 1000 mm)

AC Motorized
back gauge,
1000 mm with
Automatic
swing-up



HYDRAULIC GUILLOTINE SHEARS

HYPER - FORCE SERIES



Full Length
Finger Guards
Cage



Full Length
Flip-up
Finger Guards
Cage



Pneumatic sheet
support system
(Modular)


Manuel
Blade Gap
Adjustment




0-180°
Front
angle gauge

HYDRAULIC GUILLOTINE SHEARS

HYPER - FORCE SERIES



Hold-down lugs
that prevent
from moving
of the sheet
during cutting

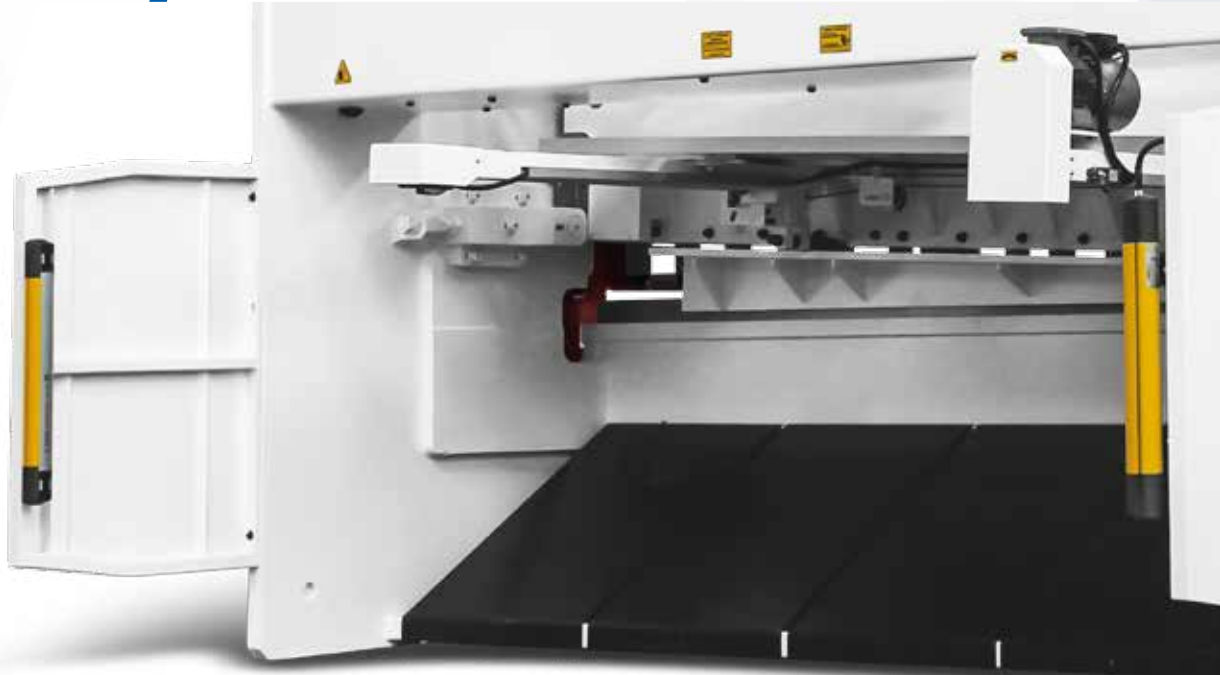


Lighting for cutting line
& Shadow line



Ball integrated
front tables

Back Safety System



Hydraulic System

HYDRAULIC GUILLOTINE SHEARS

HYPER - FORCE SERIES

Elgo P40T
Colored
Touchscreen
CNC Control Unit



- Live Color & High Contrast TFT Touch Screen
- Material depending gap, angle and pressure calculation.
- Automatic Gap Adjustment
- Automatic Cutting Angle Adjustment
- Automatic Cutting Length Adjustment
- Automatic Backgauge Correction
- Automatic Backgauge Parking
- Sheet Support
- Hold-down pressure management
- System Pressure Management
- Program memory
- Language Selection

BRL 401.2
NC Control Unit



- Use encoder which supply between 5 VDC to 30 VDC
- Inch / Metric measuring unit,
- Measure 0 – 10 meter,
- 0,1 mm / 0,001 inch sensivity (Adjustable),
- Automatic / Semi Automatic and manual operating mode,
- 10 Different Set Position and Set Count value,
- Optional working with 100 programme, 10 set value
- Working without set values (Single mode),
- Upper and lower limit definition ,
- Double speed position control operation,
- Warning with error messages,
- Programmable manual movement keys ,
- Retraction capability ,
- Saves set position and count values when power off,
- Programmable direction models for each axis,

HYDRAULIC GUILLOTINE SHEARS

HYPER - FORCE SERIES

OPTIONAL FEATURES



Oil Cooler with Fan

Manual Central Lubrication



Laser Cutting Line

Motorized Central Lubrication

Oil Heaters





GUILLOTINE SHEAR with REDUCER

PRESTIGE SERIES 4 mm

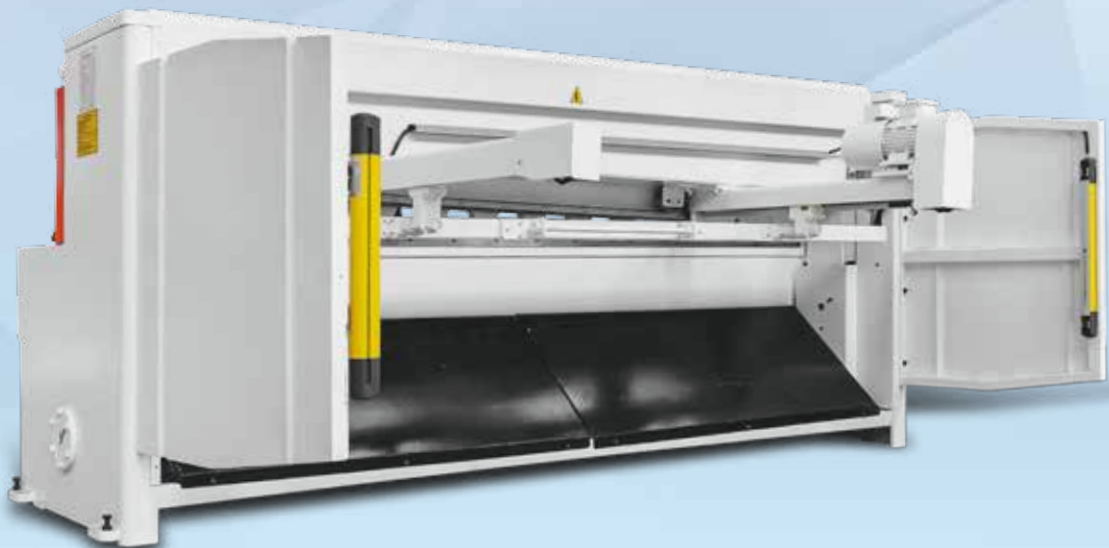
STANDART FEATURES

- BRL 401.2 NC Control Unit
- Manual Blade Gap Adjustment
- Full Length Finger Guards Cage
- LED Lighting
- Ball integrated front tables
- AC Motorized back gauge (750 mm)
- Squaring arm with scale & T-Slot & Tilting stop (L= 1000 mm)

- Support arms (2 Pcs)
- Back Safety System
- Foot Pedal with Emergency Stop Button
- Top and Bottom Blades

OPTIONAL FEATURES

- Elgo P40T Control Unit
- Pneumatic sheet support system (Back)
- 0-180° Front angle gauge



GUILLOTINE SHEAR with REDUCER

PRESTIGE SERIES 3 mm

STANDART FEATURES

- Full Length Finger Guards Cage
- LED Lighting
- Manual back gauge (560 mm)
- Squaring arm with scale (L= 7500 mm)
- Support arms (2 Pcs)
- Back Safety System
- Foot Pedal with Emergency Stop Button
- Top and Bottom Blades

OPTIONAL FEATURES

- BRL 401.2 NC Control Unit & Motorized Back Gauge (750mm)
- Pneumatic sheet support system (Modular)
- 0-180° Front angle gauge



GUILLOTINE SHEAR with REDUCER

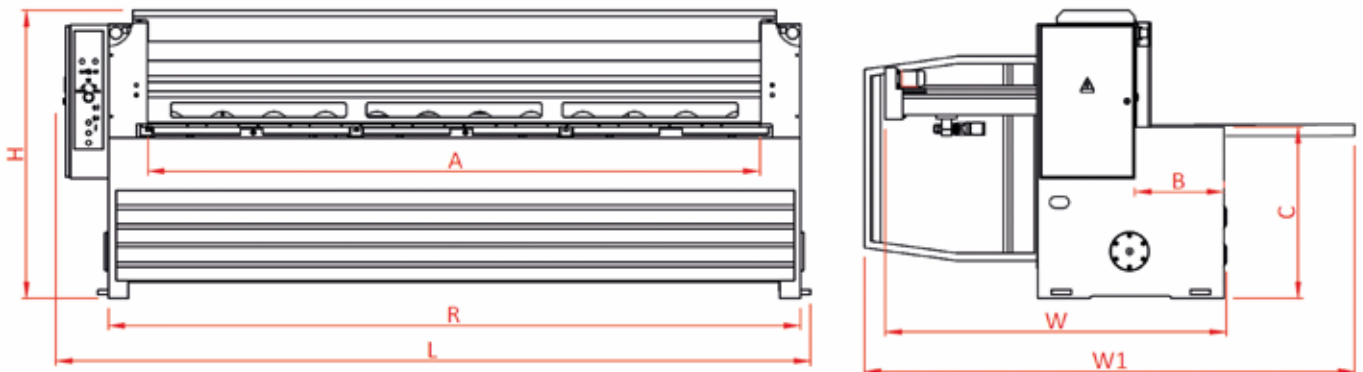
PRESTIGE SERIES

GENERAL FEATURES

- The high-tech RGM range gives excellent results in a variety of business types.
- The RGM Series allows you to achieve precise and perfect cuts by entering all cut values.
- The machine frame is manufactured with advanced technology with very precise tolerances and stress relieved with large welded components. All tensile points are designed with large radii and strain accumulation and possible welding cracks are eliminated.
- The top and bottom table inertia are designed for optimum value for the minimum deflection affecting the cutting quality.
- Productivity, maximum safety and cutting accuracy are features that distinguish the RGM Series.
- Satisfies your needs of fine and precise cutting.
- Provides effective solutions with economic prices.

PRESTIGE Series	Cutting Length	Cutting Capacity	Min. Max. Stroke per minute	Cutting Angle	Back Gauge Course	Back Gauge	Motor Power	Front Arms	Table Width	Table Height	Table Length	Length	Width	Total Width	Height	Approximate Weight
		MS (450 N/mm ²)														
	mm	mm	1/min.	Degree	mm		Kw	pcs.	mm	mm	mm	mm	mm	mm	mm	mm
	A								B	C	R	L	W	W1	H	
2003	2050	3	34	1,9	560	Man.	4	2	430	800	2300	2650	1700	2000	1250	1800
3004	3050	4	29	1,5	750	Mot.	7,5	3	475	850	3500	3800	1670	2200	1420	3950

HİLALSAN teknik verileri haber vermeden değıştirme hakkına sahiptir. Tashi hataları bağlayıcı değildir.





Squaring arm with scale & T-Slot & Tilting stop
(L= 1000 mm)



Pneumatic
sheet support
system
(Modular)

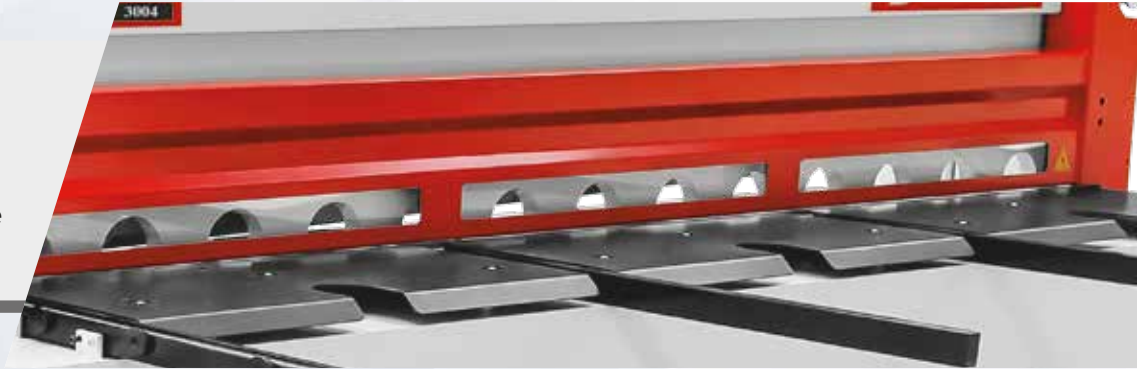


0-180°
Front
angle gauge

GUILLOTINE SHEAR with REDUCER

PRESTIGE SERIES 3-4 mm

Full Length
Finger
Guards Cage



Ball integrated
front tables



AC Motorized
Back Gauge



Back Safety System



BRL 401.2 NC Control Unit

- Use encoder which supply between 5 VDC to 30 VDC
- Inch / Metric measuring unit,
- Measure 0 – 10 meter,
- 0,1 mm / 0,001 inch sensivity (Adjustable),
- Automatic / Semi Automatic and manual operating mode,
- 10 Different Set Position and Set Count value,
- Optional working with 100 programme, 10 set value
- Working without set values (Single mode),
- Upper and lower limit definition,
- Double speed position control operation,
- Warning with error messages,
- Programmable manual movement keys,
- Retraction capability,
- Saves set position and count values when power off,
- Programmable direction models for each axis,



CNC Press Brake



CNC Press Brake



Cnc Variable Rake Hydraulic Guillotine Shear



Nc Guillotine Shear



Guillotine Shear with Reducer



Guillotine Shear with Reducer



Double Cylinder
Hydraulic Iron Worker



Single Cylinder
Hydraulic Iron Worker



Hydraulic Drawing Press