

# ***DURMA***

**ES SERIES**

**Eco - Shears**



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# ES SERIES

## Eco-shears

- The ES shears have been developed with the latest technologies in the field of production and drive techniques.
- The frame and the blade beam are extremely rigid to eliminate or minimize deflections which ensures a high quality cut.
- Box-type top beam with heavy duty construction.
- Rapid and accurate blade gap adjustment
- Swing up back gauge system
- Compact and low maintenance hydraulic unit located underneath work table.
- The combination of a double-edged top blade and low rake angle keeps the effects of bow, twist and camber in small strips to a minimum.





## Programmable Control

The ENC 100 Controller provides both “multi-step” (50 programs) and “touch and go” programming features for the back gauge. Other features include; high speed back gauge positioning on ball screws, back bar retraction, programmable stroke length, and parts counter. Three modes of operation with key switch lockout for safety.

(Option)



## Rapid blade gap adjustment Tabletop Ball Transfers & Holddowns

Holddowns are provided to ensure that the plate is held firmly along the length of the cutting area. The holddowns are distributed in such a way that more are closer at each end of the table. This guarantees not only safer operation at the beginning and end of the cut but also the accuracy for narrow (short) plates at each end of the machine. Each independently acting holddown is capable of applying high pressure to hold the material being cut at the same time preventing thin and delicate materials from being marked.



## Single Point Blade Clearance

A Quickset single point blade gap adjustment is conveniently located on the side frame of the machine. The operator can easily and quickly change this setting, as the material type and thickness demands, for a high quality blank. The different material thicknesses are clearly marked for quick and easy adjustment.



- 0-180° protractor for angle shearing (Option)

## Thin Sheet Support System

When shearing long drop pieces of thin material up to the sheet can droop before it reaches the gauge bar, therefore making it impossible to gauge or, at least gauge accurately. In this system support arms that are pneumatically activated support the sheet while gauging and then automatically move away for shearing after the sheet is securely clamped and gauged. This also eliminates the need to front gauge and the need for the operator or additional personnel, to manually support the sheet from the rear side of the machine, which is not only costly, but unsafe.



(Option)

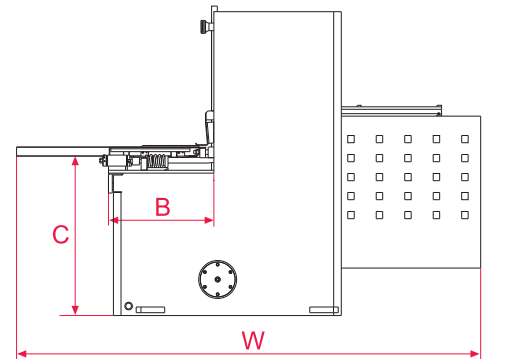
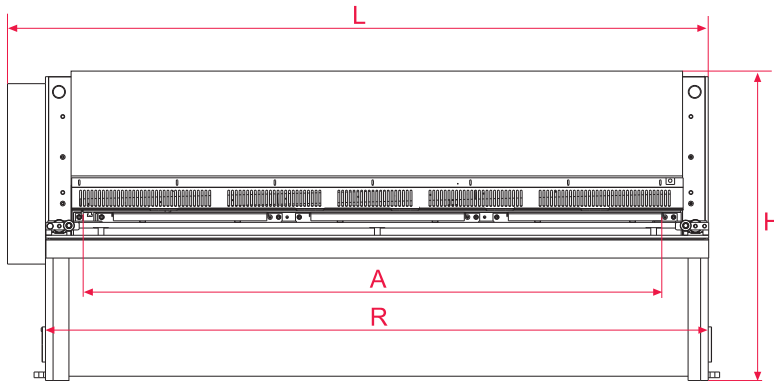
## Standart Ekipmanlar

- Hızlı ve hassas bıçak boşluk ayarı
- Katlanabilir arka dayama sistemi
- Çalışma tablasının altına monte edilen , gelişmiş ve dayanıklı hidrolik ünite
- Kesilen malzemede burulmayı önleyecek şekilde dizayn edilen alt ve üst bağlantı sistemi
- DIN normlarına bağlı olarak kullanılan Siemens, Telemecanique veya Omron markalı elektrik malzemeleri
- Bilyalı mil sistemli arka dayama
- 750 mm uzunluğunda ve otomatik katlanabilen arka dayama
- Hidrolik baskı silindirleri
- Taşınabilir ayak pedalı
- 1 adet T kanallı ve stoperli sac tutma gönyesi
- 2 adet sac tutma kolu
- Aydınlatma lambası
- 0,3 mm – 6mm arası yüksek kaliteli kesim
- Acil durdurma butonları

## Opsiyonel Ekipmalar

- NC kontrollü programlanabilir, kesme adedini sayabilen, arka dayamanın kesim esnasında otomatik geri çekilmesi ve pnomatik sistemi kontrol edebilen Dijital göstere.
- Uzatılmış gönye ve ön kollar
- 0-180 açı ayarlı gönye
- Arka dayama pnomatik sac tahliye sistemi
- 1000 mm açılabilir ön parmak koruma kafesi

<b>ES SERİSİ</b>			<b>ES 2506</b>	<b>ES 3006</b>
Kesme boyu (A)		mm.	2550	3100
Kesme kapasitesi	MS (450 N/mm <sup>2</sup> )	mm.	6	6
	SS (700 N/mm <sup>2</sup> )	mm.	4	4
Dakikadaki kesme adedi		1/dk.	15	14
Kesme derecesi		derece	1° 30'	1° 30'
Boşluk		min/mm.	0.05	0.05
		max/mm.	0.75	0.75
Tabla yüksekliği (C)		mm.	880	880
Tabla genişliği (B)		mm.	500	500
Tabla uzunluğu (R)		mm.	2700	3200
Baskı sayısı		adet	12	14
Baskı gücü		ton	7.5	8.5
Arka dayama mesafesi		mm.	750	750
Arka dayama motoru		kw.	0.55	0.55
Arka dayama hızı		mm./dk.	120	120
Motor		kw.	11	11
Yağ kapasitesi		lt.	170	170
Sac tutma kolu		adet	2	2
Boy (L)		mm.	3250	3750
Genişlik (W)		mm.	2350	2350
Yükseklik (H)		mm.	1650	1650
Yaklaşık ağırlık		kg.	4940	5550



# ***DURMA***

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