

# Challenge CHAMPION 305 Manual Backgauge Paper Cutter

## Specifications:

Maximum cutting width

30-1/2" / 77.5 cm

Clamp opening

4" / 10.2cm

Maximum cut depth

30-1/2" / 77.5 cm

Minimum cut without false  
clamp plate

3/4" / 19mm

Minimum cut with false  
clamp plate 1-7/8" / 4.8cm

Clamping force

Minimum/Maximum

1,414 lbs (628 daN)

5,000 lbs (2,200 daN)

Clamping method

Hydraulic and power soft clamp

Electrical

5 H.P., 208/230 Volts AC, 60 Hz,

3-Phase, 25 A (40 A Service)

Warranty

2 years top to bottom

On all parts and manufacturing  
(Excluding consumables)



The Challenge **Champion 305 Manual Backgauge** Paper Cutter continues our well known tradition for reliable durability. With the cast iron table and steel frame at its' foundation, the UHMW (Ultra-High Molecular Weight) gib surfaces and composite bushings minimize the amount of maintenance required. Standard features such as powered low pressure pre-clamping, floating backgauge fingers, and an automatic false clamp detection system reduce operator error and maximize productivity.

The handwheel-operated manually adjusted backgauge of the **Champion 305** utilizes a strong hydraulic system to power both the clamp and cut cycles. Smart self-diagnostics and service prompts assist in keeping the machine in top condition.

The **Champion 305 Manual Backgauge Paper Cutter** meets the toughest safety standards in the industry today. The state-of-the-art light beam safety system, an enclosed rear table, precise two-hand timed non-repeat cut buttons, and a knife safety latch all contribute to our UL, cUL, and CE certifications. No other paper cutter manufacture provides a 30.5" machine certified for these industry safety standards from the factory.

CHALLENGE – Assurance you made the right decision!



**Made in USA**



assurance you made the right decision

challengemachinery.com

# Challenge CHAMPION 305 Manual Backgauge

## Specifications:

Maximum cutting width  
30-1/2" / 77.5 cm

Clamp opening  
4" / 10.2cm

Maximum cut depth  
30-1/2" / 77.5 cm

Minimum cut without false clamp plate  
3/4" / 19mm

Minimum cut with false clamp plate  
1-7/8" / 4.8cm

Clamping force  
Minimum/Maximum  
1,414 lbs (628 daN)  
5,000 lbs (2,200 daN)

Clamping method  
Hydraulic and power soft clamp

Electrical  
5 H.P., 208/230 Volts AC, 60 Hz,  
3-Phase, 25 A (40 A Service)

Warranty  
2 years top to bottom  
On all parts and manufacturing  
(Excluding consumables)

## Specifications

## 305 Models

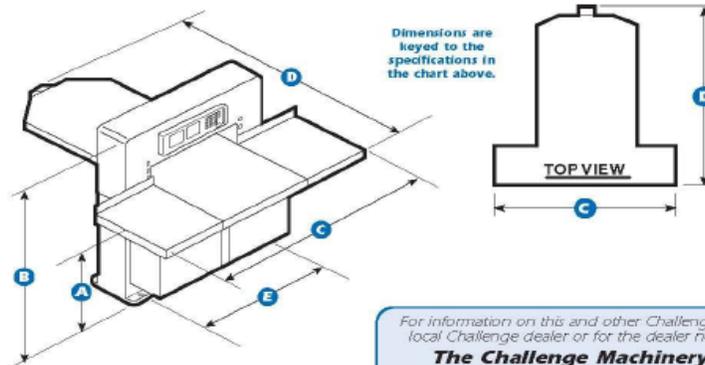
<b>CUTTING</b>	
Maximum Cutting Width	30.5"/77.5 cm
Minimum Cut: without false clamp plate	.75"/19 mm
with false clamp plate	1-7/8"/4.8 cm
Maximum Cut Depth	30.5"/77.5 cm
Clamp Opening: without false clamp plate	4"/10.2 cm
with false clamp plate	3.25"/79.5 cm
Clamping Method	Hydraulic & Manual
Maximum Clamping Force	5000 lbs./2200 daN
Backgauge Control	Manual
<b>DIMENSIONS</b>	
Table Space: in front of knife	25"/63.5 cm
behind knife	30.5"/77.5 cm
<b>A Table Height</b>	36.5"/94 cm
<b>B Overall Height</b>	58.5"/147 cm
<b>C Overall Width (with side tables)</b>	78.5"/200 cm
<b>Overall Width (without side tables)</b>	48.5"/123 cm
<b>D Overall Length</b>	70"/178 cm
<b>E Mounting Dimension</b>	41.5"/105 cm
Door Pass-through: assembled	51"/130 cm
with table/treadle removed	42"/106 cm
with table/treadle/power unit removed	29"/74 cm
Net Weight (approximate)	2360 lbs./1070 kg
Shipping Weight (approximate)	2700 lbs./1247 kg
<b>ELECTRICAL</b>	



5 H.P., Three-Phase, 60 Hz, AC 208/230 Volts, 25 Amps (service size 40 Amps) or 460 Volts, 11.5 Amps (service size 20 Amps)  
Optional Motor – 5 H.P., Three-Phase, 50 Hz, AC 380/415 Volts, 10 Amps (service size 15 Amps)

Challenge reserves the right to make changes to any product or specification without notice and without incurring responsibility to existing units.

© Challenge and Champion are registered trademarks of The Challenge Machinery Company. © Windows is a registered trademark of Microsoft Corporation.



For information on this and other Challenge products, call your local Challenge dealer or for the dealer nearest you contact:

**The Challenge Machinery Company**  
6125 Norton Center Drive, Norton Shores, MI 49441 U.S.A.  
**231-799-8484**  
[www.ChallengeMachinery.com](http://www.ChallengeMachinery.com)



assurance you made the right decision

[challengemachinery.com](http://challengemachinery.com)