

*Cultivating a reputation  
for quality and service  
since 1951*



## Contour Cambridge Rolls



Cousins' extensive range of Cambridge rolls have format variations to meet individual needs including horizontal and vertical folding and a wide choice of plain and breaker rings from 20" to 30" diameter.

The essential ingredient with any Cambridge roll is the in-built weight and with Cousins heaviest machines weighing almost 9 tonnes, intensive consolidation is assured. Many farms are now upgrading from 6m to 12m machines enabling twice as much rolling to be achieved per shift. All Cousins rolls are fitted with 65mm shafts and bearing units. Lighting kit fitted as standard, braking system available.

**Working widths 6.3m - 12.3m.**

**Rugged well proven design.**

# The 'Contour' range of Cambridge Rolls

Contour Cambridge Rolls have fully flexing wing sections and provide outstanding ground following in all conditions. Choose from standard 3 section or articulated 3 section models with a unique patented ball joint system, the horizontal folding Contour HZ or the larger 5 section models.

All rolls are fitted with 65mm sealed ball bearing units. An adjustable flange incorporated within the bearing mounting allows wear take up without removing the bearings.

## Standard Contour 3 section

Standard 3 section; fully trailed with hydraulically raised and lowered wheels, sharing weight with tractor drawbar during transit, not the linkage arms. Wheels lift clear of soil when working, placing all the weight onto the sections for effective operation.

### Ring sizes

Cambridge: 20", 22", 24", 26", 30".

Breaker: 20", 22", 24".

### Working widths

21' (6.4m), 24' (7.3m), 27' (8.2m), 30' (9.1m).

Optional springboard system.



## Articulated Contour 3 section

Articulated 3 section: frames incorporate unique patented ball joint system, enabling front and rear gangs to operate independently, eliminating pressure points across the rolls, reducing scuffing at corners and easing operation in tight spaces. Besides reducing excessive wear on any particular points, this also saves horse power loss on turning. Special locking arrangement makes frame rigid prior to hydraulic folding, allowing wings to be folded in normal way before transporting.

**Ring sizes** as standard 3 section above.

### Working widths

21' (6.4m), 24' (7.3m), 27' (8.2), 30' (9.1m).

Optional springboard system.



## Contour HZ horizontally folding rolls

Pressurised weight transfer assists even distribution of weight across the working width. The Contour HZ has all the features of vertically folding Contour rolls with the advantage of lower transport height.

### Ring sizes

Cambridge: 20", 22", 24"; 26" Breaker: 20", 22", 24".

### Working widths

21' (6.3m), 24' (7.3m), 27' (8.2m).

Optional springboard system.



# ...more choice, more output.

## Contour 5 section

Designed for high output and maximum effectiveness with working widths up to 42' (12.8m). The easy folding action of these large rolls is aided by hydraulic rams and steel cables. Locking bars and pins secure rolls to increase stability during transport. Folding screw jack keeps drawbar off ground when parked and assists coupling to tractor.

### Ring sizes

Cambridge: 20", 22", 24", 26", 30"

Breaker: 20", 22", 24"

### Working widths

33' (10m), 40' (12.3m),

42' (12.8m).

### Transport width

9.7' (2.95m).



## Springboard system

The springboard system has become an increasingly popular option, giving added bite in advance of the rolls. This option is available on all Cousins 3 bank rolls.

Springboards are a heavy duty levelling system comprising a single row of individually sprung sections, angled back and carrying 'paddles' that level and till the soil. The springboard can be hydraulically adjusted on the move to suit varying soil conditions across the field.



## Ring options

**Plain Cambridge rings:** the original principle remains good, aiding seedbed preparation with their clod crushing action and even consolidation while conserving moisture within the soil.

The addition of **breaker rings** substantially increases the weight of the machine. These notched rings help reduce capping on lighter soils, leaving indentations on the surface. They also have a cleaning action which minimises soil build up to maintain efficiency. Breaker rings are available in 20", 22" and 24" diameters; plain rings up to 30".



Cambridge rings



Breaker rings



## Contour Rolls Specifications

### Hydraulic folding models:

Working width: ft (metres)	3 sections						5 sections						
	21 (6.4)	24 (7.32)	27 (8.23)	30 (9.14)	33 (10.06)	40 (12.3)	42 (12.8)						
Weight (tonnes approx)													
Format (standard/articulated)	std	artic	hz	std	artic	hz	std	artic	std	artic	std only	std only	std only
Cambridge rings 20"	3.31	3.53	2.92	3.76	3.93	3.31	4.15	4.37	4.53	4.75	5.73	6.75	6.97
Cambridge rings 22"	3.44	3.66	3.30	3.91	4.13	3.76	4.32	4.54	4.75	4.97	5.94	6.95	7.17
Cambridge rings 24"	3.67	3.89	3.47	4.18	4.40	4.20	4.54	4.76	5.00	5.22	6.21	7.28	7.51
Cambridge rings 26"	4.11	4.33	3.91	4.61	4.83	4.63	5.10	5.32	5.63	5.85	6.68	8.12	8.50
Cambridge rings 30"	4.47	4.69	-	5.02	5.24	-	-	-	-	-	-	-	-
Breaker rings 20"	3.62	3.84	3.29	4.05	4.27	3.76	4.48	4.70	4.91	5.13	6.29	7.38	7.62
Breaker rings 22"	4.05	4.27	3.86	4.54	4.76	4.40	5.03	5.25	5.52	5.74	6.87	8.09	8.36
Breaker rings 24"	4.34	4.56	4.14	4.87	5.09	4.72	5.40	5.62	5.93	6.15	7.31	8.54	8.82
Springboard levelling system	0.58	0.58	0.58	0.66	0.66	0.66	0.74	0.74	-	-	-	-	-
<b>Hydraulic Requirements</b>	2 double acting spool valves												
<b>Transport width (metres)</b>	2.44	2.95		3.13		3.50	2.95	2.95	3.20				
<b>Tyres: size/pr</b>	260/70-15.3		320/80-15.3		320/80-15.3		400x15.3 x14 ply		400x15.3 x14 ply	400x15.3 x14ply	400x15.3 x14 ply		

Roll frames can be supplied to take customers' own rings. Special size rolls available to customer requirements.



### Single Bank or Gang Rolls

Trailed single bank rolls and gang rolls can be supplied to customer requirements with a choice of rings.

#### Working widths

8' (2.44), 10' (3.05m), 21' (6.4m), 24' (7.32m)



### Ballast rolls

Cousins Ballast Rolls for seedbed preparation and grassland applications. Weights up to 5.5 tonnes with water filling. Rigid single section and hydraulically folding 3 section models.

#### Working widths

4' 1" (1.25) to 27' (8.23m)

*Please see separate leaflet for specifications.*



*Cousins of Emneth pursue an ongoing programme of product improvement and equipment supplied may vary from specification within this brochure.*

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