

*Cultivating a reputation  
for quality and service  
since 1951*



## Cousins V-Form Soil Looseners



**No large clods; good moisture control; level surface finish.**

**Level lift subsoiler tine** ('diamond' grade legs fitted as standard) for shallow or deeper cultivation subsoiling from 200 to 500mm (8" to 20").

**Choice of rear attachments:** razor rings, toothed packer, crumbler barrel or solid coil.

**Cultivation Bar (option)** to fit new or existing heavy duty machines.

**Disc Assemblies (option)**

**Wide range of models** including linkage mounted and trailed, rigid or hydraulic folding.

**Medium and heavy duty models.**



# Cousins V-Form Soil Looseners have proved



## 'V-Form' Soil Looseners

**Principle:** effective configuration of offset tines is proven much more efficient than standard single beam alternatives. Leading tines disturb the soil for the close following tines, achieving a complete movement of soil across the working width of the frame, intensifying the cultivation. The rear attachments disperse the suction from the tines into useful energy for crushing, levelling and depth control. The result is no large clods, good moisture retention and a level surface finish. Minimal surface disturbance makes the V-Form ideal for use on grassland. The number of **tines and their spacing** can be varied to suit working depth, soil conditions and available horsepower.

Steel **depth wheels** are fitted as standard to linkage mounted models. All V-Form models are fitted with Cousins level lift subsoil legs for faster seedbed preparation with less pulling.

### Rigid: medium duty

Cat 2 linkage; 150x100mm toolbar; shearbolt protection; 150x25mm legs; 450mm depth wheels; max working depth 350mm (14").

**Options:** no wheels / rear attachment; disc assemblies.

**Rear attachments:** giant crumbler, solid coils, toothed packer, razor rings.

**Working widths:** 2.25m (7'5"), 2.75m (9'), 3.25m (10'8").



### Rigid: heavy duty

Cat 2&3 linkage; 200x100mm toolbar; 200x25mm legs; 610mm (24") diameter depth wheels; max working depth 510mm (20"); centre tine bracket will take mole leg.

**Options:** No wheels; no rear attachment; disc assemblies.

**Rear attachments:** giant crumbler, toothed packer, solid coil or razor rings.

**Working widths:** 2.25m (7'5"), 2.75m (9'), 3.25m (10'8") 3.75m (12'4"), 4.25m (13'11").



*Cultivation bar option*

### Rigid: heavy duty trailed

Heavy duty model with trailing kit comprising 17" low ground pressure hydraulically controlled depth/transport wheels and drawbar. Ideal for situations where a trailed machine is required or preferred. Cat 2 and 3 linkage.

**Rear attachments:** toothed packer, razor rings, giant crumbler or solid coil.

**Working widths:** 3.25m (10'8") 3.75m (12'4"), 4.25m (13'11").

# successful in a variety of soil conditions.



## Folding: linkage mounted

The effectiveness of the heavy duty V-Form, with compact 2.8m transport width. Choice of razor rings, giant crumbler, toothed packer or solid coil.

Rear lighting kit and tine protection bars (for use during transport) as standard.

**Working widths:** 4.5m, 5.0m, 5.5m.

## Folding: trailed

For farmers seeking to get the maximum performance from their higher horse powered tractors (180 to 450 depending on soil type, depth of work and number of legs). Folds to transport width of 3m. Choice of razor rings or toothed packer. Rear lighting kit and tine protection bars (for use during transport) as standard.

**Working widths:** 4.5m, 5.5m, 6.5m, 7.5m.



## Heavy duty rear attachments

Developed to disperse suction from the tines into useful energy to achieve crushing, levelling and depth control. Efficiently breaks down large clods, effecting good moisture control and leaving a level surface finish. Choose from razor rings, tooth packer, crumbler barrel and solid coil.

## Razor rings (optional)

Formed from two dished discs fitted face to face to form a press ring shape with a relatively sharp leading edge. Each razor ring has a flat angular profile for a clod cutting action with the leading edge while the broader angular profile gives a firming and shaping effect. Fitted as a rear attachment, the rings effectively control the working depth giving the cultivating effect of a heavier cast ring without the excess weight (weight 250kg/m). 650mm diameter, they are fitted at 200mm as standard (also available at 150mm centres).



## Cultivation bars

(optional bolt-on kits)

Cultivation bars can now be fitted to new heavy duty V-forms and retrospectively to existing V-forms.

*(Rigid models only)*



<b>Model (m)</b>	2.25	2.75	3.25	3.75	4.25
<b>No. Tines</b>	4	6	6	8	8

## Disc assemblies (optional)

16" diameter plain or cut-away discs available.



## Specifications:

Dimensions (mm / in)	Medium duty	Heavy duty
Main beam (tool bar)	150 x 100 / 6" x 4"	200 x 100 / 8" x 4"
Level lift subsoiler legs	150 x 25 / 6" x 1"	200 x 25 / 8" x 1"
Depth wheels - diameter (width)	450 / 18" (200 / 8")	610 / 24" (200 / 8")
Maximum working depth	350 / 14"	510 / 20"

### Machine weights (kg)

#### Medium Duty - Rigid Linkage Mounted

Model (metre)	No. Tines	c/w 24" dia. Toothed Packer	c/w 18" dia. Crumbler Barrel	c/w Solid Coil	
				18" dia,	24" dia.
2.25	3	1083	887	1026	1116
	5	1226	1030	1169	1259
2.75	3	1220	982	-	1320
	5	1363	1124	-	1463
3.25	5	1500	1218	-	1525
	7	1643	1360	-	1667

#### Heavy Duty - Rigid Linkage Mounted

Model (metre)	No. Tines	Razor Rings	24" Toothed Packer	24" Crumbler Barrel	24" Solid Coil
2.25	3	1487	1384	1340	1417
	5	1763	1660	1542	1693
2.75	3	1671	1545	1454	1574
	5	1873	1747	1656	1776
3.25	5	1979	1834	1771	1858
	7	2181	2036	1973	2060
3.75	5	2176	2004	1931	2023
	7	2378	2206	2133	2225
4.25	7	2574	2375	2293	2390
	9	2775	2576	2494	2591

#### Heavy Duty - Rigid Trailed

3.25	5	2271	2126	2063	2150
	7	2473	2328	2265	2352
3.75	5	2568	2396	2323	2415
	7	2770	2598	2525	2617
4.25	7	3067	2868	2786	2883
	9	3229	3030	2988	3045

#### Heavy Duty - Hydraulic Folding Linkage Mounted

						HP (approx min.)
4.5	5	3683	3474	3270	3477	270+
	7	3885	3676	3472	3649	270+
5.0	7	3956	3720	3456	3685	300+
	9	4158	3922	3658	3887	300+
5.5	9	4230	3966	3642	3923	350+
	11	4432	4168	3844	4125	350+

#### Heavy Duty - Hydraulic Folding Trailed

5.5	7	5400	5200	-	-	300
	9	5600	5400	-	-	300
6.5	9	6100	5800	-	-	350
	11	6300	6000	-	-	350
7.5	11	6700	6400	-	-	450
	13	6900	6600	-	-	450



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

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