

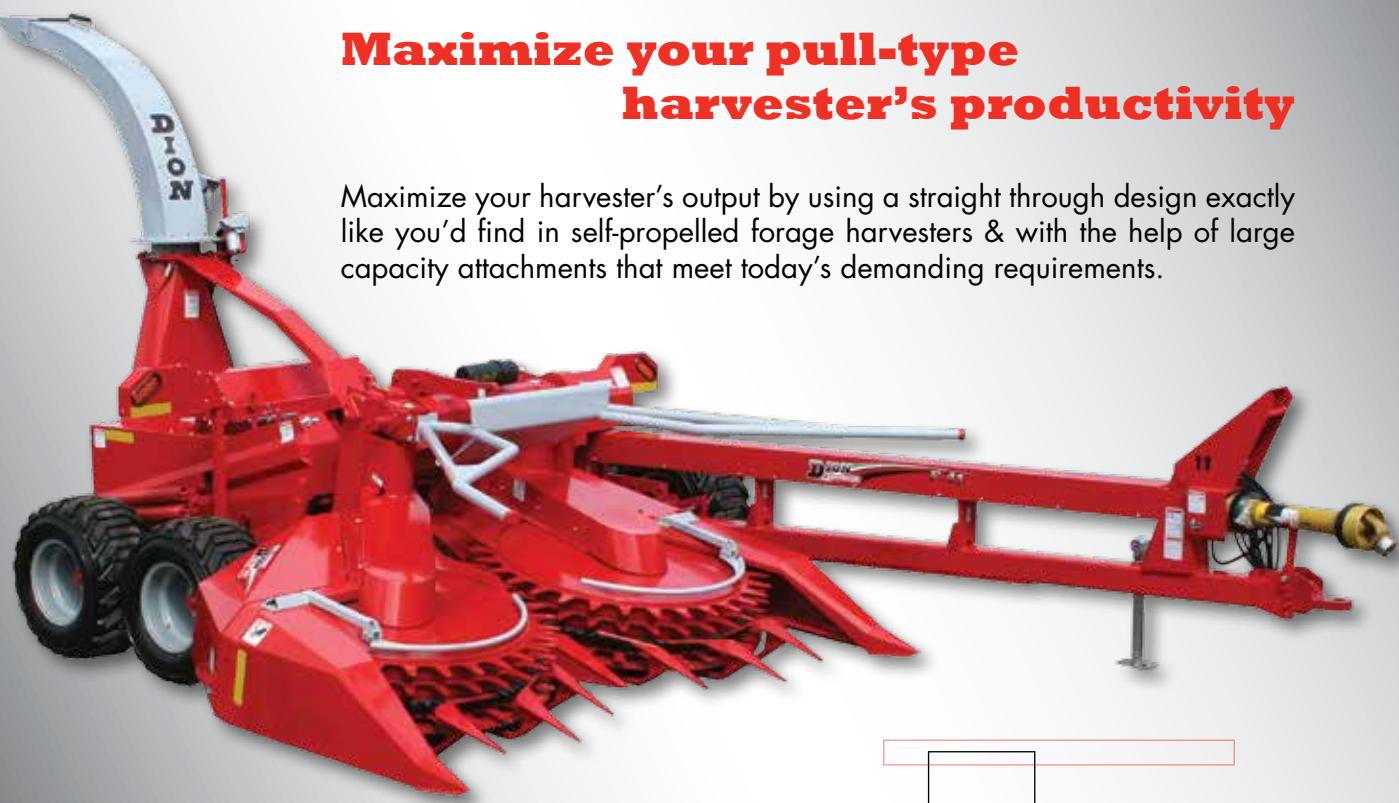
Forage Harvesters

F41



Maximize your pull-type harvester's productivity

Maximize your harvester's output by using a straight through design exactly like you'd find in self-propelled forage harvesters & with the help of large capacity attachments that meet today's demanding requirements.



The Dion Advantage

The secret behind the F41's incredible appetite is its "straight through" design. Any crop entering the harvester is cut, processed and blown all in a direct line, which improves harvesting capacity while slashing energy consumption. The "straight through" concept ensures a smooth, uninterrupted material flow that will deliver even the most stubborn crop directly to the back of your wagon. This is the same design concept that is used in all self-propelled forage harvesters.

Using a "thinking outside the box" approach to kernel processing led Dion engineers to develop a kernel processor with two different roll diameters. The top roll is a 6" (15 cm) diameter and the bottom roll is a 10" (25 cm) diameter. Drive pulleys of the same diameter turning at 3900 RPM generate a surface speed differential of 60%. What does this mean to you, the end user?... It means that the processing is done by a low-energy shearing and shredding action as opposed to using extreme pressure to crush the crop. This results in minimal vibrations, longer & trouble free bearing life and, most important of all, no loss of capacity through the rolls.



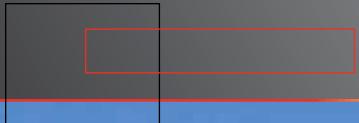
The **kernel processor** rolls are designed with height adjustment using a single wrench. The rolls are adjustable from a minimum clearance of $1/16"$ (1.6 mm) to a maximum clearance of $1.5"$ (38 mm).

As to not affect the capacity of the F41, changeover from haylage to silage is done in record time thanks to a simple, innovative design. A single $3/4"$ wrench is all that is required to remove the top roll of the processor..

The **shredding** action of the Dion kernel processor maintains a higher level of **effective fibre**, while cracking kernels for optimized digestion of starch, to produce a **superior feed value** than traditional processor rolls.

Forage Harvesters

The all new F41 STINGER



Save valuable time with the Stinger by Dion

The all-new STINGER by Dion is the next step in the continued evolution of the F41 forage harvester. The F41 STINGER combines the "straight through" design of the original F41 with a massive side-loading spout. The F41 STINGER couples the ability to load directly into trucks and trailers with the convenience of fully electrohydraulic controls. A wide view camera and on-board color monitor come standard with the F41 STINGER, allowing the operator a clear view of the target without straining to look in multiple directions at once.

The F41 STINGER provides the functionality of a self-propelled harvester with the practicality of a pull-type unit.



Easily load directly into trucks and trailers



Easily load to the left or right, the stinger raises up to a height of 18.5' (5.6 m) with a length of 18' (5.5 m) and offers 280° rotation with a 4 m minimum reach. The modular design is convertible from the side loading to a trailed loading configuration.

Folds down safely for transport to a height of less than 3 m and is fully supported on an integrated **hydraulic accumulator suspension** for a smooth ride in the field and down the road.

A dedicated, fully integrated **heavy-duty transition** base is installed on all F41 STINGER harvesters.

The stinger is fitted with abrasion-resistant steel **Hardox 450** and **Domex 100** liners. These are fully replaceable with direct access from the top.

The F41 Stinger is equipped with, two section bi-fold deflector, standard **wide-angle day and night camera**.

7 inch in-cab color monitor, LED spot light and electrohydraulic cab controls for all three functions (height, rotation and deflector angle).

Requires one additional close-circuit hydraulic SCV (pressure compensated or load-sensing pump) with flow control adjustable to 2.5 gpm.



The industry's quickest, simplest, **1 sided, 1 bolt shearbar adjustment** is an **EXCLUSIVE DION DESIGN!**

Dion reversible shearbars are hardened for added strength & longevity. Both cutting edges are tungsten carbide coated creating a self-sharpening wear pattern for consistent chop quality.

Knife sharpener using a 3" diameter round stone & "clicker" system allowing the operator to obtain a precise & quick sharpening every time.

LED transport lights optimize reliability & offer increased safety for travel on public roads.

P.T.O. support both 1 3/8" & 1 3/4" yokes are available.

Industry's quickest adjustable hitch ensures perfect **P.T.O. alignment**. Your choice of CAT II, CAT III or CAT IV hitch.

All shields are hinged for increased safety. The **shields open completely** to allow maximum access to the harvester's internals.

Electric, cab controlled, F-N-R transmission, 230° spout rotation & spout deflector controls are standard.

Standard shearbolt over-load protection on the cutterhead. Optional slip clutch is available. Radial ball clutch protection of the feedrolls.

Cutterhead protection is ensured with a standard shearbolt over-load safeguard while an optional slip clutch is available. The **feedrolls** are protected by way of a radial ball clutch.

Metal detection protects expensive machinery and your livestock.

Replaceable spout liner with standard *hardox steel* liner.

Hydraulic-controlled attachment height adjustment and tongue adjustment makes switching attachment heads effortless and road travel a breeze.



F65 & F42 come standard with a slip clutch which reduces time in the event of an overload along with adjustable gauge wheels & adjustable skid shoes.

F65 Window Attachment is Dion's high performance hay head featuring a pickup width of 126" (320 cm) offering an effective pickup width of 96" (244 cm). This high performance head designed with a 5 bar spring tooth pick-up incorporating 34 tines/bar and an aggressive, 22" (56 cm), floating auger that is reversible.

F42 Window Attachment has a pickup width of 104" (264 cm) offering an effective pickup width of 84" (213 cm). This head is designed with a 4 bar spring tooth pick-up incorporating 26 tines/bar and a floating 20" (50 cm) auger that is reversible.

Customize your Harvester

Optional Equipment

F41

F41 STINGER

		Optional	Optional
Kernel Processor	Kernel processor kit with 60 % speed differential ratio	Optional	Optional
Feedroll Package	Basic feedroll package	Standard	Standard
	Basic feedroll package with metal detector kit	Optional	Optional
Gearbox	540 rpm P.T.O., 730 cutterhead (90-120 hp)	Optional	-
	1000 rpm P.T.O., 824 rpm cutterhead (90-150 hp)	Optional	-
	1000 rpm P.T.O., 1033 rpm cutterhead (1.375" yoke) (up to 300 hp)	Optional	Optional
Wheels	31 x 13.5" <i>Terra Rib</i> single axle (set of 2)	Optional	-
	16.5 x 16.1" <i>Terra Rib</i> single axle (set of 2)	Optional	Optional
	31 x 13.5" <i>Terra Rib</i> tandem axle (set of 4)	Optional	Optional
	31 x 15.5" <i>Terra Track</i> tandem axle (set of 4)	Optional	Optional
Wagon Hitch	Cab controlled electric wagon disconnect	Optional	-
Spout (F41 only)	12" (30.48 cm) vertical extension kit	Optional	-
	24" (60.96 cm) vertical extension kit	Optional	-
	Horizontal extension kit	Optional	-
	230° spout rotation kit	Standard	-
Lights	Rear mounted spot light kit	Optional	Optional
Tongue Extension	Tongue extension 6" (15.24 cm) tractor tongue extension	Optional	Optional
Water Tank Kit	50 gallons (190 litres) water tank kit	Optional	Optional
Grain Pan Kit	Grain pan kit (<i>used in corn ONLY</i>)	Standard	Standard
Slip Clutch	Cutterhead slip clutch kit	Optional	Optional



The **cutterhead** is a massive 24" (69 cm) wide by 22" (56 cm) diameter. This mammoth 450 lb (205 kg) cutterhead features full width, solid steel knife supports, to securely fasten the 12 full width, tungsten coated, helicoidal knives.

Specially designed for the F41, these knives, which promote ideal knife-to-shearbar angle for optimal cutting efficiency, retain their fine edge after repeated sharpening.



Optional **50 Gallon**
(190 litre) liquid applicator tank.



Heavy-duty 7 litre oil capacity angle drive, rated for up to 300 PTO hp offering cutterhead speeds of
824 rpm (tractors up to 150 hp)
or
1033 rpm (tractors up to 300 hp).

Your best choice for harvesting equipment

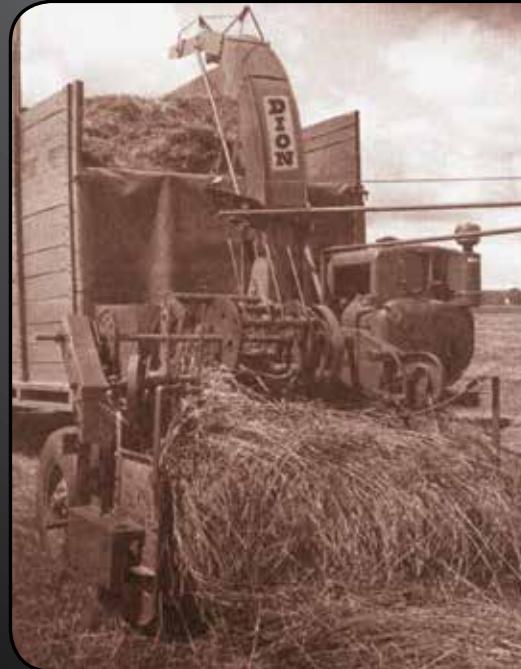
since 1920



Dion's products have over 95 years of service to farmers.

Today Dion is at the forefront in the conception, design and manufacturing of agricultural equipment. Our rotary, row independent, corn heads for pull-type forage harvesters are just one of our products putting industry leading technology within the reach of everyone.

Our vision of modern, efficient & performance oriented equipment allows us to see a promising future filled with quality products like you've come to expect from the Dion brand



**Come see us
in action on**

You Tube



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