



**DF**

**Duck Foot™**

**The Trusted Name in Header  
Precision & Harvest Efficiency**

**2024 CATALOGUE**



## ABOUT US

Since turning this innovation into a business in 2018, Duck Foot Parts Inc. has grown to have over 50 sales partners in 4 countries and our network is continuing to grow each year. We are dedicated to providing the best product to our customers and we are constantly testing the Duck Foot™ paddle tines in different crops, conditions, and countries. In addition, we continue to create new tines as headers evolve and change so that there is a Duck Foot™ tine for the most common headers on the market.

As demand has increased, we are proud to say we have expanded to add DFP Manufacturing to our family of businesses which allows us to manufacture all of the Duck Foot™ paddle tines in-house and in Saskatchewan.

**Duck Foot Parts Inc.** is focused on building strong relationships with its customers - farmers, dealers and distributors - providing responsive and superior customer service. *"Being farmers ourselves, we share in the experience of our customers, and we take pride in offering a quality product to save time and money during harvest"* -STEVE KASTNING, FOUNDER & PRESIDENT

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**MANUFACTURING Inc.**  
Quality Injection Molding

YOUR ONE STOP SHOP FOR

## Injection Molding

OF ENGINEERED  
PLASTICS AND RUBBER

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# WHAT IS DUCK FOOT™?



Award-winning patented farm innovation • Fast and easy to install and remove  
 • Unique clip system secures the slip-over paddle tine to the reel pipe

## Recommendations:

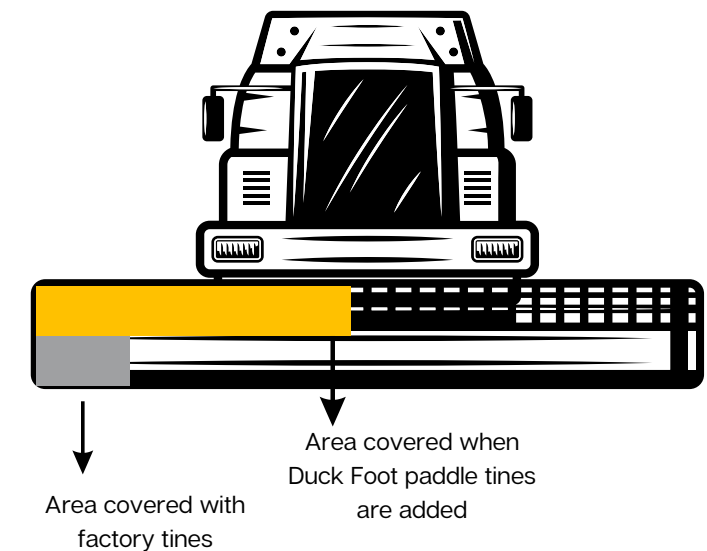
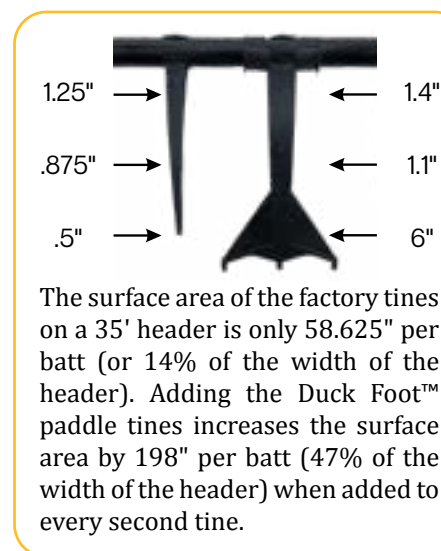
- ✓ Fit 1 Duck Foot™ over every 2<sup>nd</sup> tine
- ✓ Secure each Duck Foot™ with clip
- ✓ Offset for each consecutive batt
- ✓ Change reel pitch to less aggressive
- ✓ Run a slower reel speed
- ✓ Raise reel height as needed

Duck Foot Parts is committed to manufacturing the highest quality product for farmers at DFP Manufacturing Inc. The paddle tines are made from resin with physical, mechanical, and thermal properties tested to withstand the stress and strain in extreme temperatures. The paddles also contain a vehicle grade UV protectant.



# INCREASED CAPACITY

By adding Duck Foot™ paddle tines to your header, you increase the surface area to pull crop onto the belt and into the combine by up to 47%.



What does this mean for you?

More feeding capacity plus reduced losses, equals increased harvest profits.

### Calculations & Assumptions:

Header used as example is John Deere 735FD, 35' = 420", each batt has approximately 67 tines at an average width of .875" which equals 58.625"; Duck Foot™ paddle tines are 6" at widest point, adding to every second tine is 33 tines x 6" = 198" increase in width covered by the paddle tines.

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## Field-tests and data results find the following benefits:

- Reduced header loss
- Increased ground speed
- Evenly feeds crop for better threshing
- Slower reel speed for less crop damage

# REDUCED COSTS

Adding Duck Foot™ paddle tines to your header, allows you to increase ground speed and reduce header speed which reduces operating costs.

Harvest Time Using Factory Tines			
Header Width	Ground Speed (mph)	Acres/hour	Hours to combine 160 acres
35'	3.5	13.36	11.97
35'	4.5	17.18	9.31
35'	5.5	21	7.62
45'	3.5	17.18	9.31
45'	4.5	22.09	7.24
45'	5.5	27	5.93

We have extensively tested Duck Foot™ paddle tines in many different crops and conditions around the world.

By adding Duck Foot™ paddle tines, ground speed can be increased by an average of 20%.

Harvest Time After Adding Duck Foot™ Paddle Tines					
Header Width	New Ground Speed (mph)	New Acres/Hour	New Hours to Combine 160 acres	Hours Gained	Cost Reduction
35'	4.2	16.04	9.98	2.00	\$998.70
35'	5.4	20.62	7.76	1.55	\$776.31
35'	6.6	25.20	6.35	1.27	\$634.92
45'	4.2	20.62	7.76	1.55	\$776.31
45'	5.4	26.51	6.04	1.21	\$603.82
45'	6.6	32.40	4.94	0.99	\$493.83

**Calculations & Assumptions:**  
 1 hour of combining costs \$500; two common widths of combine headers are 35' and 45' and using common speeds of 3.5, 4.5 and 5.5 mph. Acres per hour calculation determined using calculator found at [www.omnicalculator.com/biology/acres-per-hour](http://www.omnicalculator.com/biology/acres-per-hour); data gathered by DFP for increased ground speed averages to 28.68% increase, rounded down to 20% for conservative estimates.  
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*“Changing reel position and reel speed, we put the Duck Foot™ on and we went 1km/hr quicker. That was in down barley, we really needed it. It helped 100%. If you pick it up better and you’re going quicker, it’s all savings for the farmer basically.”*

DARREN | SOUTH AUSTRALIA

*“Love them Steve, got all 5 heads rigged out and ground speed increased for sure. We finished 13,000 acres of Soybeans. Honestly the whole crew agrees that we don’t care to harvest with MacDon headers without the Duck Feet. They’re staying on year round. Makes a night and day difference in wheat and beans. Duck Feet are a must going forward. Every other tine is the way to go. All 5 heads had them on the whole time and never lost one! Thanks Steve!”*

JEFF HEINLE | HEBRON, NORTH DAKOTA

# DUCK FOOT™ MODELS

## DF1MD

- FD & D-series – 6" tine spacing
- FD1 & FD2 – 4" tine spacing
  - Install DF on every 3<sup>rd</sup> tine
- Reel pitch – Duck Foot™ recommends setting a less aggressive reel pitch
- 5 Batt reels



### COMPATIBLE MODELS:

- MacDon: D, FD, FD1, FD2
- Case: 2142, 2152, 2162
- John Deere: 430, 435, 440
- New Holland: 82C, 83C, 86C

## DF2HC

- This model fits Hart Carter reels
- 6" tine spacing, except for 1999 models & older
- When 4" spacing, place DF over every 3<sup>rd</sup> tine
- Reel pitch – Duck Foot™ recommends setting a less aggressive reel pitch
- John Deere had a serial break in 2016, DF2 model fits Serial #784,999 & lower
- 6 Batt reels



### COMPATIBLE MODELS:

- Case: 1010, 1020, 2010, 2020, 3020, 3025, 3030, 3035
- JD: 900/600 [Rigid/Flex], 600 FD (serial #784,999 and below)
- New Holland: 71C, 72C, 73C, 74C, 88C, 92C, 94C, 740, 971, 973
- AGCO: 300, 400, 500, 700, 800, 5100, 7000, 7200, 8000, 8200, 9250
- Massey Ferguson: 5100, 5200, 7000, 7200, 8000, 8200, 8250, 9700, 9750, 9800, 9850
- Claas: Maxflex & Maxflo 750-1200, G525-530, F525-530, F750, F900, S450-900

## DF3PT

- 6" tine spacing
- Reel pitch – Duck Foot™ recommends setting a less aggressive reel pitch
- John Deere had a serial break in 2016, DF3 model fits Serial #785,000 & above
- Clip installation on John Deere headers: Easiest with the solid face towards you, U cut-out facing combine
- Clip installation for all other header models – face the 'U' towards yourself
- 6 Batt reels [except Geringhoff is 5 Batt reel]



### COMPATIBLE MODELS:

- MacDon: 974 (5 batt), 973 (5 batt), 972 (6 batt)
- Case: 3152, 3162, 4152, 4162, DH213, 253, 303, 363, 403, 4F30, 40, 45, 4R30, 35, 40, 45
- JD: 600 FD serial #785,000 and above, 700FD, HDR, HDE, RDF
- New Holland: 880CF, 840CD
- Geringhoff: 2020 and up Truflex Razor Models
- Cray
- GTS do BRASIL

## DF4CL

- 6" tine spacing
- Reel pitch – same as above
- Fits 2017 and newer Claas Convio headers
- 6 Batt reels



### COMPATIBLE MODEL:

- Claas: Convio

# COMPATIBLE HEADERS



## MACDON

DF1MD (5 batt)	DF3PT
D	974 (5 batt)
FD	973 (5 batt)
FD1, FD2	972 (6 batt)



## CASE IHC

DF1MD (5 batt)	DF2HC (6 batt)	DF3PT (6 batt)
2142	1010, 1020	3152, 3162, 4152, 4162
2152	2010, 2020	DH213, 253, 303, 363, 403
2162	3020, 3025 3030, 3035	4F30, 40, 45 4R30, 35, 40, 45



## JOHN DEERE

DF1MD (5 batt)	DF2HC (6 batt)	DF3PT (6 batt)
430	900/600 [RIGID/FLEX]	600 FD SERIAL #785,000 AND ABOVE
435	600 FD SERIAL #784,999 AND BELOW	700 FD HDR, HDF, RDF
440		



## NEW HOLLAND

DF1MD (5 batt)	DF2HC (6 batt)	DF3PT (6 batt)
82C	71C, 72C, 73C, 74C	880CF, 840CD
83C	88C, 92C, 94C	
86C	740, 971, 973	



## AGCO

DF2HC (6 batt)	
300	7000
400	7200
500	8000
700	8200
800	9250
5100	



## MASSEY FERGUSON

DF2HC (6 batt)		
5100	8000	9750
5200	8200	9800
7000	9250	9850
7200	9700	



## CLAAS

DF2HC (6 batt)	DF4CL (6 batt)
Maxflex & Maxflo: 750 – 1200	Convio
G525 – 530	
F525 – 530, F750, F900	
S450 – 900	



## GERINGHOFF

DF3PT (5 batt)
2020 and up TruFlex and TruFlex Razor models.



## CRARY







DF3PT (6 batt)



## GTS do BRASIL

DF3PT (6 batt)

# USED IN THESE CROPS

-  **Lentils**
-  **Soybeans**
-  **Chickpeas**
-  **All Cereals**
-  **Straight Cut Canola**
-  **Sorghum**
-  **Edible Beans**
-  **Flax**
-  **Lupins**
-  **Hay**
-  **Peas**
-  **Rice**

*"I've been using the Duck Foot for 2 years in soybeans, wheat and milo. I can cut the wheat and sorghum higher and it feeds in great. They also work great for double crop beans. They make a world of difference."*  
 JUSTIN TUCKER | KNOXVILLE, MARYLAND



## Innovations Award 2018 Winner

CANADA'S FARM  
PROGRESS SHOW

*Presented to Steve Kastning*



In 2020 Todd purchased one set of duck feet for one combine and had an air reel for his second combine. In 2021 he decided to sell the air reel and replace it with another set of duck feet.

*"For the price, the ease of taking them on and off, although we aren't taking them off, they are less weight and power on the combine, Duck Foot has a lot of advantages."*

TODD BLIGHT | OAKVILLE, MB



*When we thought about a perfect slogan  
for Duck Foot™ paddle tines,  
there was one that quickly came to mind:  
“Header Precision ~ Harvest Efficiency”*

## DUCK FOOT™ FAQs

### How do Duck Foot™ paddle tines work in heavy/dense crops?

Duck Foot™ has been tested in above average crops and have increased ground speed and reduced header loss. Example: In a 180 bushel/acre wheat crop in Germany they gained 22% ground speed.

### How do Duck Foot™ paddle tines work in tall or short soybeans?

Duck Foot™ paddle tines work well in either type of crop. They are field-tested and proven to reduce cutter bar losses up to 75%. They feed the combine more evenly, further reducing losses and increasing ground speed.

### Do Duck Foot™ paddle tines wrap in tall green soybeans?

No, they don't. With Duck Foot™ paddle tines on, you can run a less aggressive reel pitch, slow your reel speed and you don't have to be so deep into the crop. This helps eliminate wrapping.

### How do Duck Foot™ paddle tines work in downed crops?

The Duck Foot™ has been used and tested in downed wheat and barley. Duck Foot™ paddle tines have helped pick the crop up and feed the combine more evenly. Similar benefits have been found in downed peas.

### Are there any crops or conditions that Duck Foot™ paddle tines aren't ideal for?

They have tested well in most crops and conditions. However, there may be some conditions that benefit from removing the paddle tines. That's why they are fast and easy to remove (within minutes) and re-install.

### Can you slow your reel down when using Duck Foot™ paddle tines?

Absolutely, this is one of the main recommendations with the Duck Foot™. You can run a slower reel speed, which is gentler on the crop, further reducing crop damage and losses.

### Do Duck Foot™ paddle tines help feed the combine better?

Yes, they help feed the combine more evenly by creating a steady flow of crop, eliminating wad feeding. This all results in better threshing for less combine losses and increased ground speed.

### How long will Duck Foot™ paddle tines last?

The original test paddle tines have been in the field and have harvested over 35,000 acres, showing minimal wear!

### Will I have to replace them?

By following our recommendations, they should last year over year, but you may lose a few if you hit something hard or have really tough conditions. Not to worry, we include a few extras with every kit.

### How are Duck Foot™ paddle tines installed?

Our patented Duck Foot™ paddle tines simply slip OVER the existing tine, then the clip is placed over top to secure it. No need to remove anything and no tools are required for installation!

### How long does it take to install Duck Foot™ paddle tines?

Approximately a minute per foot for 1 person. Two people can outfit a 35' header in about 20 minutes.

### How do Duck Foot™ paddle tines stay on?

The Duck Foot™ is secured on by our clip system. We engineered this system as we found they needed something in order to keep them on in tougher conditions. **Ensure you have the original DUCK FOOT™ CLIP SYSTEM!**

### Do Duck Foot™ paddle Tines help with header loss?

Yes, they are field-tested and proven to reduce header losses up to 75%.

### Do you have to take them off for other crops?

No, you generally don't need to take them off. In the event you do, our original quick and easy to use Duck Foot™ clip system will allow you to have them off within minutes.

### Where can I purchase Duck Foot™ paddle tines?

The 'Find a Dealer' page on our website is always kept up to date with our latest sales partners and it is organized by country to make it easy for you to find the sales partner closest to you!

*“I wanted to call you to tell you how great your product is. It did everything  
that I was told it was going to do. The Duck Foot™ made combining my  
soybeans very enjoyable.”*

DON BENGTON | GREENFIELD, OHIO





**The Duck Foot™ paddle tine is protected by issued and pending patents and industrial designs:**

**USD805561 | US10440890 | US11058054 | CA178561 | CA190982  
CA2988241 | AU2017251739 | AU2017016526 | AU201916603**

**See Patents - <https://duckfootparts.ca/patents>**

**DUCK FOOT is a registered trademark of Duck Foot Parts Inc. in the US, AU, BR and WIPO.**

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