MacDon

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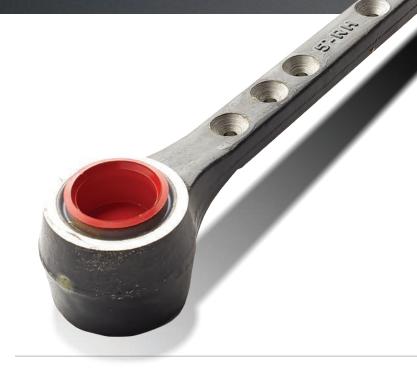
MacDon<sup>®</sup> Performance Parts

An easy to follow guide to help you determine your knife assemblies

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Keep your MacDon at peak performance with MacDon Performance Parts!

Insist on MacDon Performance Parts for your MacDon built equipment



Demand the best for your harvest.

Use the MacDon Parts Knife Assembly Guide to know what to order when it is time to replace your knife assemblies on your MacDon header.

#### DISCOVER:

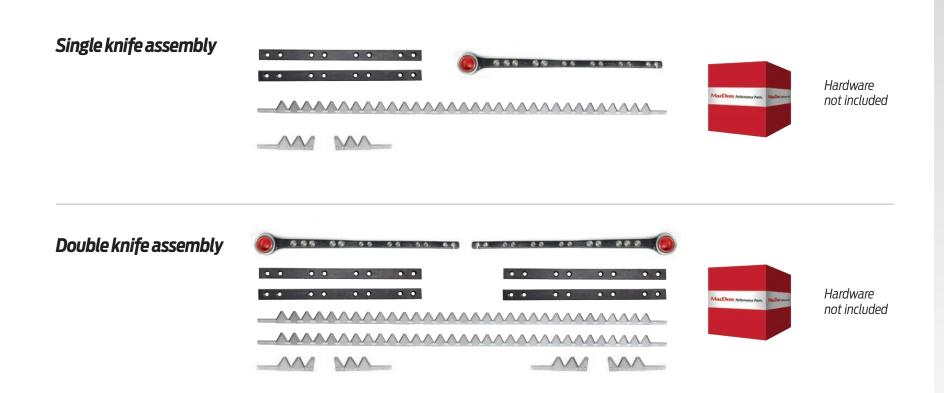
- The questions to ask when looking to replace a knife assembly
- ✓ The correct part numbers specific for your header
- Easy, simple to use guides

Have a question? PerformanceParts@MacDon.com

# Quality knife assemblies for your harvest header

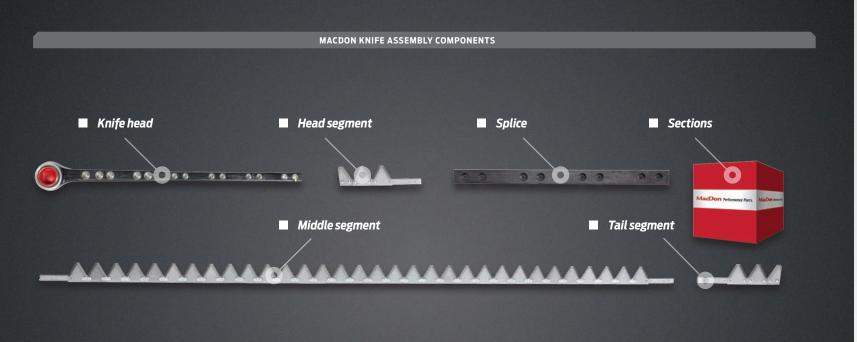
MacDon Performance Parts recognizes the need for long-lasting, high performance knife assembly. Use this guide to reference which parts make up a single knife drive or double knife drive.

## MacDon knife assemblies



## Get familiar with MacDon knife assemblies

MacDon Performance Parts understands the importance of being able to clearly identify the correct part to be replaced on your MacDon. The guide below consists of the parts which together create a knife assembly. Use this guide to reference which parts are required when replacing either your entire knife assembly or specific parts.



Hardware not included

# Convenient knife replacement

MacDon Knife Assembly Kits offers a convenient way for our customers to replace the complete knife on the header with one single package. Each kit contains all necessary knife segments, splice kits, and sections required for a complete replacement.

Refer to the table below to find the kit that suits you most.

### MacDon Knife Assembly Kits - FD2 Series

	SINGLE KNIFE DRIVE
DESCRIPTION	PART #
25 FOOT, SINGLE KNIFE COARSE	286597
30 FOOT, SINGLE KNIFE COARSE	286598
35 FOOT, SINGLE KNIFE COARSE	286599
40 FOOT, SINGLE KNIFE COARSE	286600

DOU	BLE KNIFE DRIVE
DESCRIPTION	PART #
25 FOOT, DOUBLE KNIFE COARSE	286602
30 FOOT, DOUBLE KNIFE COARSE	286603
35 FOOT, DOUBLE KNIFE COARSE	286604
40 FOOT, DOUBLE KNIFE COARSE	286605
41 FOOT, DOUBLE KNIFE COARSE	286606
45 FOOT, DOUBLE KNIFE COARSE	286607
50 FOOT, DOUBLE KNIFE COARSE	286608

Note: Knife heads are sold separately. Please refer to the reference guide in page 14 to find the correct knife head for your MacDon header.

## MacDon Knife Assembly Kits - FD/D1 Series and Prior

		SINGL	E KNIFE DRIVE	
		PART#		
DESCRIPTION	COARSE	FINE	ULTRA- COARSE	MACDON MODELS
20 FOOT, SINGLE KNIFE	-	335488	-	D50, D60, D65, D1
25 FOOT, SINGLE KNIFE	-	335489	335513	D50, D60, D65, D1, FD1
30 FOOT, SINGLE KNIFE	294795	335490	335514	D50, D60, FD70, D65, FD75, D1, D1XL, FD1
35 FOOT, SINGLE KNIFE	294796	335491	335515	D50, D60, FD70, D65, FD75, D1, D1XL, FD1
40 FOOT, SINGLE KNIFE	294797	335492	335516	D50, D60, FD70, D65, FD75, D1, D1XL, FD1

		DOUBL	E KNIFE DRIVE	
		PART#		
DESCRIPTION	COARSE	FINE	ULTRA- COARSE	MACDON MODELS
20 FOOT, DOUBLE KNIFE	-	335479	-	D50, D60, D65, D1
25 FOOT, DOUBLE KNIFE	-	335483	335508	D50, D60, D65, D1
30 FOOT, DOUBLE KNIFE	294791	335484	335509	D50, D60, D65, D1, D1XL
35 FOOT, DOUBLE KNIFE	294792	335485	335510	D50, D60, D65, D1, D1XL
40 FOOT, DOUBLE KNIFE	294793	335486	335511	D50, D60, FD70, D65, FD75, D1, D1XL, FD1
45 FOOT, DOUBLE KNIFE	294794	335487	335512	D50, D60, FD70, D65, FD75, D1, D1XL, FD1

Note: Knife heads are sold separately. Please refer to the reference guide in page 14 to find the correct knife head for your MacDon header.

## Find your knife assembly

To help our customers select the proper replacement for their MacDon Knife Assembly, MacDon Performance Parts has created 6 easy steps to gather the necessary information so replacing your knife assembly with the proper parts is easy.

Follow these steps through the Knife Assembly Guide for an easy to follow reference guide.

## 6 Steps for choosing the right knife assembly

Use the MacDon knife assembly guide to ensure an easy to follow process when replacing knife assemblies!

#### 1. Assembly

Single Knife or Double Knife Assembly?



**4. Side** (only if double knife)

For double knife assemblies,

determine if left hand or right

hand assembly is being replaced.

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Remember to order the Necessary splice kits.

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#### 2. MacDon model

Select from the MacDon model lineup.



#### 5. Knife head + Splices

Remember to order Knife heads and splices (see last page).



Determine the length of MacDon header.

#### 6. Box of sections

Order a box of Sections that fits your needs.

**Coarse - 279641** Crops: Wheat, Soybeans, Canola, Cereals and Pulses

3. Length

Fine - 279642 Crops: Forage, Grasses, Flax and Lentils

Ultra Coarse - 294947 Crops: Thicker stemmed crops and adverse soybean conditions

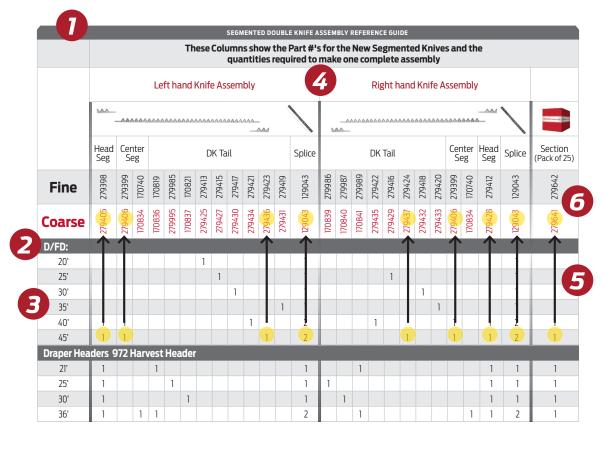


\*Remember to order hardware

### Order process example

Use the example below to see how to use the 6 step guide to help select your MacDon knife assembly parts. Each listed number corresponds with the related step, showing you exactly where you need to look on the guide to help you select your knife assembly parts.

**Example:** This example shows the process for ordering a knife assembly for a Double knife FD75 that is 45' in length with Coarse sections, both left and right hand sides.



- Double knife FD75 that is 45' in length with Coarse sections, both left and right hand sides.
- Double knife FD75 that is 45' in length with Coarse sections, both left and right hand sides.
- 3. Double knife FD75 that is **45' in length** with Coarse sections, both left and right hand sides.
- If you are replacing a double knife assembly, are you replacing left side, right side, or both.
- Select the necessary parts that are required to replace your entire knife assembly (knife heads and splices)
- 6. Double knife FD75 that is 45' in length with **Coarse sections**, *both left and right hand sides*.

## **FD2 Series**

								SEGMENTED DOUBL	E KNI	FE AS	SEM	BLY R	EFEF	RENCE	GUIDE				
		These Columns show the Part #'s for the New Segmented Knives and the quantities required to make one complete assembly														he			
		Left hand Knife Assembly Right hand Knife Assembly																	
	Head Seg		nter eg		DK	Tail		Splice*	DK Tail				Center Seg		Head Seg	Splice*	Section (Pack of 25)		
Coarse	286562	286564	286565	286574	286575	286576	286578	286493	286572	286571	286570	286569	286565	286564	286563	286493	286461		
35'	1				1			1				1	1		1	2	l		
40'	1		1	1				2			1		1		1	2	1		
4]'	1					1		2			1				1	2	1		
45'	1				1			2		1					1	2	1		
50'	1	1					1	2	1					1	1	2	]		

			SEGMENTED SINGLI	E KNIFE ASSEMBLY RE	FERENCE GUIDE										
	MA														
	Head Seg         Center Seg         SK Tail         Splice*         Section (Pack of 25)														
Coarse	286562	286564	286565	286566	286567	286493	286461								
30'	1	1	1	1		3	1								
35'	1 2 1 3 1														
40'	1	2	1		1	4	1								

\*Splice includes installation hardware

## FD/D1 Series and Prior

	SEGMENTED DOUBLE KNIFE ASSEMBLY REFERENCE GUIDE																									
	These Columns show the Part #'s for the New Segmented Knives and the quantities required to make one complete assembly																									
		Left hand Knife Assembly Right hand Knife Assembly																								
	Lett nand Knite Assembly															RIE	grit r	Idriu	<b>N</b> III	ie A	sser	ΠΟΙΥ				
	<u> </u>			·····	<u> </u>	<u></u>	~~~	~~~~	~~~~			~			_~	~~~	~^^^	~~~~	^^^^	<u> </u>	~~~	~~~~				Hadler starter
	Head Seg		nter eg				D	)K Ta	ul				Splice*				DK	Tail				Cer Se	nter eg	Head Seg	Splice*	Section (Pack of 25)
Fine	279398	279399	170740	170819	279985	170821	279413	279415	279417	279421	279423	279419	129043	279986	279987	279989	279422	279416	279424	279418	279420	279399	170740	279412	129043	279642
Coarse	279405	279406	170834	170836	279995	170837	279425	279427	279430	279434	279436	279431	129043	170839	170840	170841	279435	279429	279437	279432	279433	279406	170834	279428	129043	279641
D/FD:																										
20'	1						1						1												1	1
25'	1							1					1					1						1	1	1
30'	1								1				1							1				1	1	1
35'	1											1	1								1			1	1	1
40'	1	1								1			2				1					1		1	2	1
45'	1	1									1		2						1			1		1	2	1
Draper Hea	ders 9	)72 I	larv	vest	Hea	ader	ſ																			
21'	1			1									1			1								1	1	1
25'	1				1								1	1										1	1	1
30'	1					1							1		1									1	1	1
36'	1		1	1									2			1							1	1	2	1

Note: 20' Non-segmented RH knife assemblies for D/FD can be ordered as 279414 for a Fine assembly and 279426 for a Coarse assembly.

\*Splice includes installation hardware

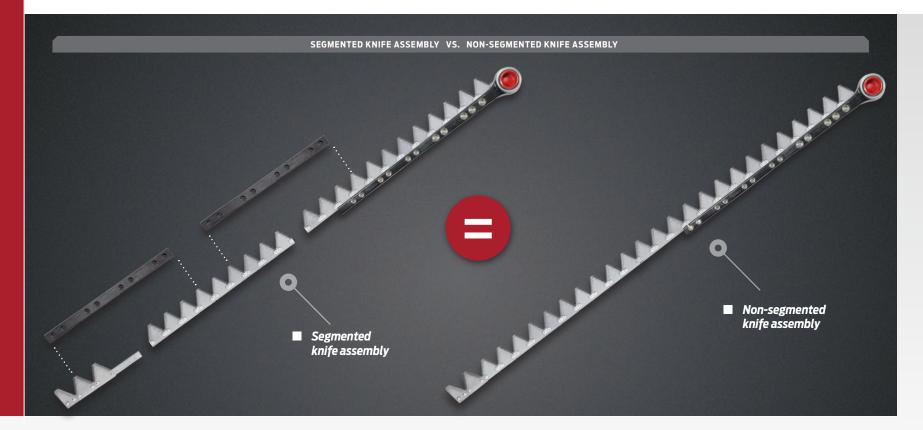
					SEGME	NTED SIN	GLE KNIF	E ASSEM	IBLY REFI	ERENCE	GUIDE					
Knife Assemblie	es by Header Model & Size					These Co	olumns s	how the requ	Part #'s f ired to m	for the N nake one	ew Segm complet	ented Kr e assemi	nives and oly	the qua	ntities	
				<u></u>												
		Head Seg	Center Seg			SK Tail										Section (Pack of 25)
	Fine	279398	279399	170789	167971	279402	170805	170807	279984	279401	170809	279400	279404	279403	129043	279642
	Coarse	279405	279406	170835		279409		170843	279994	279408	170844	279407	279411	279410	129043	279641
Draper H	leaders D/FD - 9	974 Fle	exdrape	r - 972 /	′ 973 HI	H-960	/ 962 /	′ 963 HI	H - 300	0/302	0 PT					
20'		1	1									1			2	1
21'		1	1	1											2	1
25'		1	1							1					2	1
30'	Fine (14/in) & Coarse (9/in)	1	2			1									3	1
35'		1	2											1	3	1
36'		1	3						1						4	1
39'		1	3	1											4	1
40'		1	3										1		4	1
Auger He	eaders 910/9		Fine Red	comme	nded)				1							
12'		1				1	-								1	1
14'	Fine (14/in)	1					1								1	1
16'		1						1							1	1
g'	Conditioner 4000	( <i>F</i>	ine Rec	omme	naea)										1	1
	Fine (14/in) 5010 / 5020	. · · ·	lino Doc	ommo	adad)										I	1
12'	50107 5020	( <i>I</i>	ine Rec	ommei	ideu)	1									1	1
12	Fine (14/in)	1				I	1								1	1
14	1 1112 (147111)	1						1							1	1
A30/40		1						1							1	1
14'		1									1				1	]
14	Fine (14/in) & Coarse (9/in)	1						1			1				1	]
10																1

\*Splice includes installation hardware

# Same outstanding quality and durability

MacDon Segmented and Non-segmented knife assemblies are built to the same demanding specifications. All MacDon Segmented knife assemblies utilize precision machining and high strength carbon steel splice bars to ensure equivalent durability, longevity and impact resistance as production Non-segmented knives.

# Have confidence ordering MacDon Segmented knives for your MacDon header.



C (9/in)

170670

RH

			NON SEGMENTED KNII	E ASSE	MBLY REFERI	ENCE GUIDE		l
			Non Segmented	Sickle	Knife Assemb	lies		
	LH/RH	Fine / Coarse	Non-Segmented Knife			LH/RH	Fine/Coarse	
Drape	r Headers 97	2 Harvest Header			Auger	Headers 92	0 / 930 / 933 / 9	9
12'	LH	F (14/in)	279929		14'	LH	F (14/in)	
	RH	F (14/in)	279938			RH	F (14/in)	
12'	LH	C (9/in)	279946		16'	LH	F (14/in)	
	RH	C (9/in)	279953			RH	F (14/in)	
15'	LH	F (14/in)	279931		18'	LH	F (14/in)	
	RH	F (14/in)	279939			RH	F (14/in)	
15'	LH	C (9/in)	279947		A30/4	40		
	RH	C (9/in)	279954		14'	LH	F (14/in)	
18'	LH	F (14/in)	279993			RH	F (14/in)	
	RH	F (14/in)	279941			LH	C (9/in)	
8'	LH	C (9/in)	279948			RH	C (9/in)	
	RH	C (9/in)	279955		16'	LH	F (14/in)	
D/FD:						RH	F (14/in)	
15'	LH	F (14/in)	279438			LH	C (9/in)	
	RH	F (14/in)	279439			RH	C (9/in)	
15'	LH	C (9/in)	279440		18'	LH	F (14/in)	
	RH	C (9/in)	279441			RH	F (14/in)	
						LH	C (9/in)	

#### Use this quick and easy guide for reference when replacing MacDon knife heads.

Simply find the MacDon model type and reference both header size and knife configuration in order to use the table to find the correct knife head.

LH/RH = Left ha	and/Right hand	SK/DK = Single Knife/Double Knife
	<u>,</u>	5 <u> </u>
FD2:		
ONE SIZE FITS ALL	226941 (Fits LH & RH)	
FD1, FD75:		
SK	1 x 132896	
DK	1 x 132896 (LH)	1 x 132897 (RH)
D50, D60, D65, FD70:		
SK20/25	1 x 120832	
SK30/35	1 x 132896	
DK15/20/25	2 x 120832	
DK30>	1 x 132896 (LH)	1 x 132897 (RH)
974, 973:		
ONE SIZE FITS ALL	1 x 153812 (Fits LH & RI	H)
972:		
SK<20	1 x 120832	
SK30/36	1 x 153812	
DK<30	2 x 130832 (LH & RH)	
DK30/36	1 x 153812 (LH)	1 x 158962 (RH)
960:		
ONE SIZE FITS ALL	1 x 37835 (Fits LH & RH	1)

## Additional Quick Reference Knife Parts

Find additional knife parts that are common wear items and essential to the maintenance of your MacDon knife assembly.

### **FD2 Series**

#### SICKLE SECTIONS

286461 - Standard Clearcut Coarse Section (25)
286462 - Standard Clearcut Fine Section (25)
286627 - Standard Clearcut Ultra Coarse Section (25)
286463 - Clearcut Coarse Top Countersunk Section (10)
286465 - Clearcut Fine Top Countersunk Section (10)
286466 - Clearcut Fine Bottom Countersunk Section (10)
286628 - Clearcut Ultra Coarse Top Countersunk Section (10)
286629 - Clearcut Ultra Coarse Bottom Countersunk Section (10)
286629 - Clearcut Ultra Coarse Bottom Countersunk Section (10)
286629 - Clearcut Ultra Coarse Bottom Countersunk Section (10)

#### HARDWARE

286475 - Standard Section Bolt 50 Pack, 18MM w/ Nuts
286476 - Knife Head Section Bolt - Short 25 Pack, 22MM w/ Nuts
286477 - Knife Head Section Bolt - Long 25 Pack, 29MM w/ Nuts
286478 - Center Overlap Section Bolt 25 Pack, 14MM w/ Nuts
286621 - Knife Splice Section Bolt 25 Pack, 22MM w/ Nuts
286481 - Knife Reinforcement Bar (Drive End) 25 Pack

#### OPTIONS

286473 - Center Overlap Coarse Section Kit
286474 - Center Overlap Fine Section Kit
286635 - Center Overlap Ultra Coarse Section Kit
286493 - Knife Splice/Repair Kit





### FD/D1 Series and Prior

#### SICKLE SECTIONS

279641 - Coarse Sickle Section, Pack of 25
279642 - Fine Sickle Section, Pack of 25
294947 - Ultra Coarse Sickle Section, Pack of 25
279314 - Coarse Top Countersunk Sickle Section, Pack of 10
279310 - Coarse Bottom Countersunk Sickle Section, Pack of 10
279316 - Fine Top Countersunk Sickle Section, Pack of 10
279312 - Fine Bottom Countersunk Sickle Section, Pack of 10
279468 - End Sickle Sections, Pack of 10



#### HARDWARE

<b>135628</b> - Bolt, 0.67 in x 50 pack (Standard section bolt)
135626 - Nut, 50 pack (Standard section nut)
<b>135630</b> - Bolt, 0.92 in x 50 pack (Splice bar bolt)
135632 - Bolt, 1.05 in x 50 pack (Long knife head bolt)
<b>174165</b> - Bolt, 0.5 in x 50 pack (Countersunk bolt for overlap sections)
174857 - Reinforcement bar (Box of 25)

#### NUT & BOLT PACKAGES

- 52413 Standard Section Bolt, 50 Pack 5/8" w/ Nuts
- 52414 Long Knife Head Bolt, 25 Pack 11/8" w/ Nuts (Pre D/FD Series)
- **52415** Bottom Countersunk Bolt for Auger Headers, 25 Pack 19/32" (Pre A Series)
- **52416** Top Countersunk Bolt for Auger Headers, 25 Pack 1/2" (Pre A Series)
- 52417 Long Knife Head Bolt, 25 Pack 1" w/ Nuts
- 52418 Medium Knife Head Bolt, 25 Pack 7/8" w/ Nuts

#### OPTIONS

279996 - Center Overlap Fine Sickle Section Kit
279997 - Center Overlap Coarse Sickle Section Kit
335326 - Center Overlap Ultra Coarse Sickle Section Kit





#### Demand the best for your harvest...

Ask for MacDon Performance Parts at your local MacDon Dealer

MacDon.com performanceparts@macdon.com