



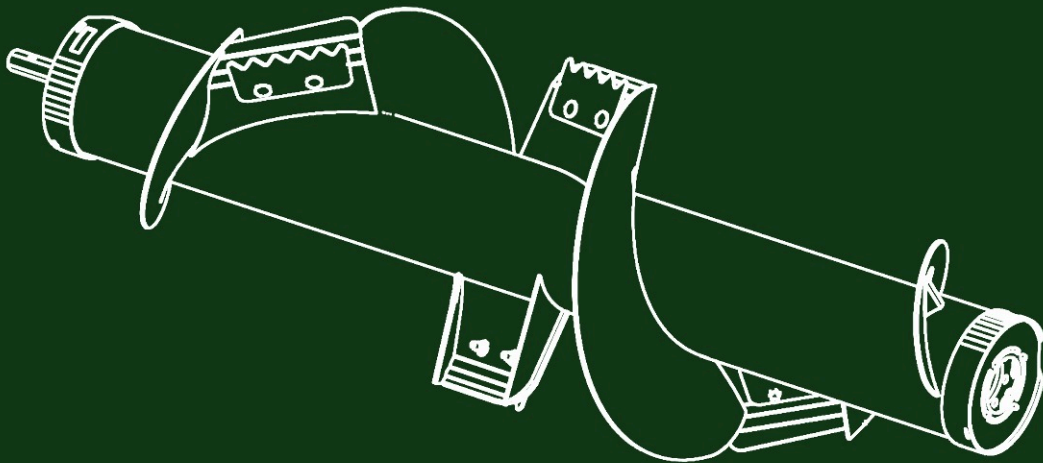
KAMPAG

We evolve with Agriculture

Technical Manual

Draper Feed Drum

SKU: KPF04000016



Introduction

Congratulations! You have just purchased a KAMPAG product, specially developed to achieve **high productivity, quality, efficiency and durability**.

Please read this manual carefully before using it on your equipment, as it contains essential information to obtain maximum performance and safety, as well as extend the lifetime and reduce maintenance costs of the equipment you purchased.

The **parts catalog** throughout this manual is essential for your guidance in case you need to replace any component.

For any requests, questions or suggestions, please contact us:

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1 – General Information

This manual contains the main information regarding the product KAMPAG Draper Feed Drum for John Deere draper headers. All Feed Drums are factory tested and balanced. For more information, please contact business support. KAMPAG is not liable for damages caused by:

- Misuse of the product
- Use by unqualified and/or inexperienced personnel
- Incorrect installation (if by customer)
- Unauthorized work or alterations
- Use of non-original parts
- Exceptional events.

2 – Warranty Term

2.1 – Supplier Identification

KAMPAG INDUSTRIAL LTDA, nº 13.552.558/0003-08, headquartered at Highway RS 342, Km 6, Três de Maio, CEP 98910-000. Brazil

2.2 – Warranty effectiveness range period

2.2.1 This warranty term is valid for 12 (twelve) months, from the date of issuance of the product's invoice and the warranty is for the entirety of the Feed Drum, even the wear parts.

2.2.2 The warranty is automatically terminated after the expiration of the periods mentioned in this term. In the event that technical work is carried out by third parties on the product without the express consent of KAMPAG, the warranty will be terminated immediately. Any report of failure must be confirmed by qualified KAMPAG employees or KAMPAG's authorized third party.

2.3 – Warranty Scope

2.3.1 The warranty includes all technical interventions necessary for the operation of the product under the conditions provided for in its technical specifications, standards, legislation. For the Feed Drum, perfect operation is understood when, after service, the equipment is operational as required by the contract, and the other functionalities are identical to those of the factory.

2.3.2 Excluded from this Warranty Term are defects or damages resulting from:

- I. Failures caused by any changes in the product;
- II. Exchange of parts for non-KAMPAG original ones;
- III. Any defect pointed out by the purchaser or dealer arising from repair, replacement of parts and/or components or other service performed by a third party, without authorization from the manufacturer (KAMPAG);
- IV. When the defect is due to an accident;
- V. The warranty on complete parts and/or components is extinguished with the warranty period of the product;
- VI. The replacement of complete components will only be carried out in the event that the defect cannot be remedied and replaced by parts that compose it.
- VII. Eventual delays in the execution of the services do not entitle the owner to compensation or extension of the warranty period;
- VIII. Changes in models, parts, components and prices may be made by the manufacturer without prior notice.

2.3.3 KAMPAG does not assume the obligation to comply with a product that has already been installed, to implement updates later introduced in latest products of the same model;

2.3.4 KAMPAG reserves the right to evolve and improve the products of its manufacture at any time, independent of prior communication.

2.4 – Warranty Certificate

2.4.1 The Warranty Certificate, see attachment to this manual.

Important: If the product proves to be defective during the warranty period, contact the manufacturer or authorized dealer exclusively.

3 – Safety Measures

3.1 The precautions below refer to the installation issues of the KAMPAG product and for that, they must be considered in preventive/corrective maintenance plans of the harvester to which it will be installed;

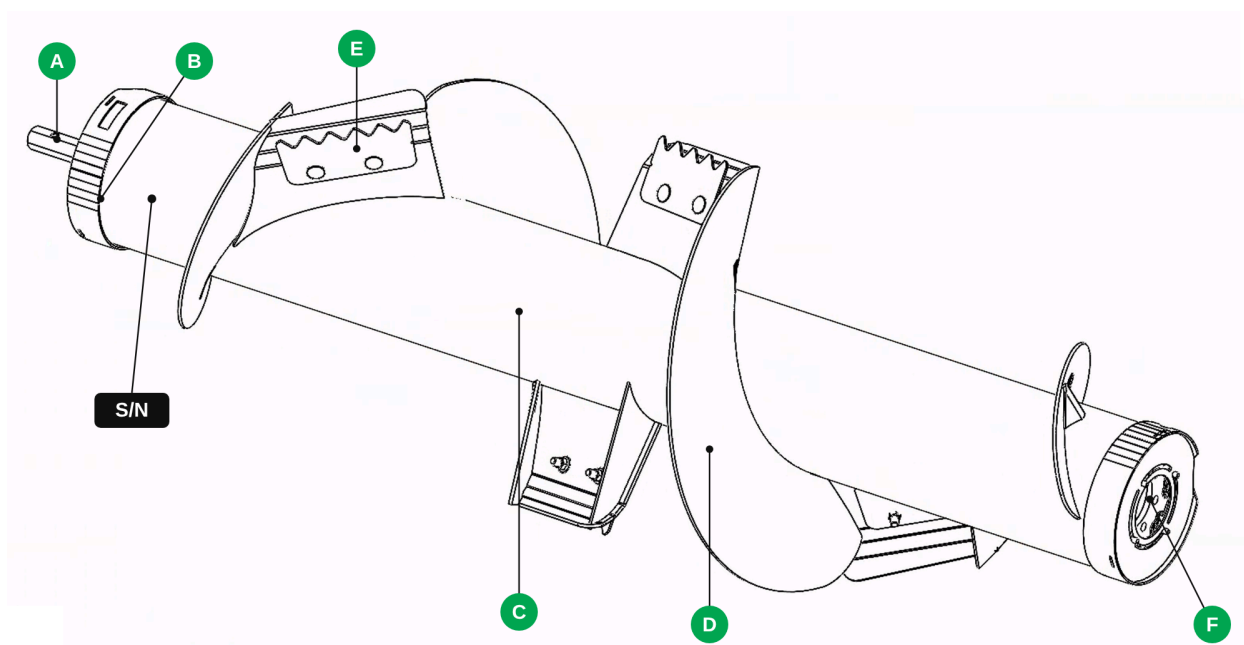
- Test the equipment after installation. If you identify any vibration or imbalance coming from the product, check that all bolts are tight;
- Always entrust the machine to trained operators;
- Periodically test the system for balance;
- Periodically check that the bolts and nuts that secure the drum, the stripper paddles and the side seals are tight.



4 – Technical Product Information

4.1 – Product Identification

When requesting spare parts or technical assistance, please provide the serial number of the Feed Drum, marked on the right side of the drum, between the flighting and the seal (S/N in the drawing below).



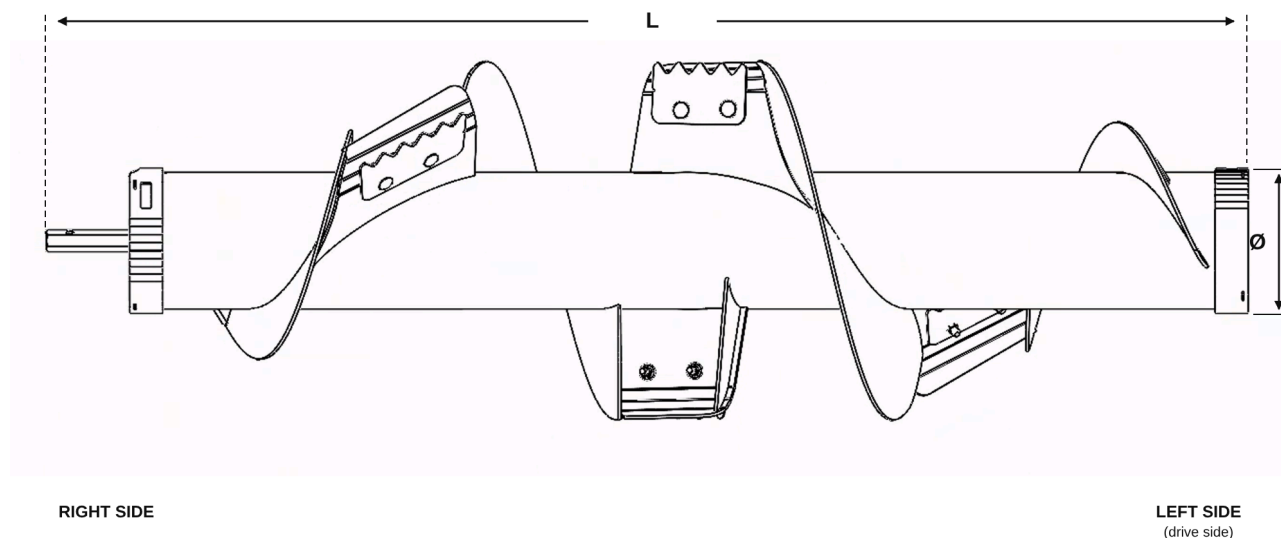
#	Main components
A	Hex tip (right side)
B	Right drum end
C	Drum tube
D	Flighting
E	Serrated stripper paddles – bolted, 2 bolts each
F	Left drum end – drive side, takes the original hub and splined shaft
S/N	Serial number marking – right side, between the flighting and the seal

4.2 – Dimensions per model

KAMPAG Feed Drum	Diameter (Ø) X Length (L)	Header model
KPF04000016	Ø540 X 1818 mm	John Deere 730FD / 735FD / 740FD 640DA / 640FD RDF series

Weight of the complete assembly: 57.9 kg.

Note: When the terms "right side" and "left side" are used, they are referred to in relation to the position of the operator in the direction of travel of the harvester. The **drive side is the left side**.



5 – Assembly Procedure

Before you start

- Stop the engine, remove the key and lower the header onto stands or the ground before working on it.
- These parts of the original drum are **reused**: the 8-hole flange (hub), the splined shaft with its screw, and the washer. Keep them.
- The original side seals are **replaced** by the KAMPAG seals supplied in the kit — right seal item 8 (identified by a rectangle marking), left seal item 11. **No centering jig is needed.**
- Tools: Phillips screwdriver; 5 mm Allen key; 15 mm socket; torque wrench.
- Tighten all fasteners to the standard torques below, unless a step gives another value.

Thread	Class 8.8	Class 10.9	Class 12.9
M6	10 N·m	15 N·m	17 N·m
M8	25 N·m	36 N·m	42 N·m
M10	49 N·m	72 N·m	84 N·m
M12	85 N·m	125 N·m	145 N·m

Standard torques for metric coarse-thread bolts, clean and lightly oiled threads (friction $\mu \approx 0.14$). The class is stamped on the bolt head. KAMPAG kit bolts without a class marking: use class 8.8.

REMOVAL OF THE ORIGINAL DRUM

STEP 1: LOOSEN THE SIDE SHEET METAL ON THE RIGHT SIDE

Loosen the sheet metal on the side opposite to the drive side (right side) and move it aside to widen the central gap.



STEP 2: REMOVE THE ORIGINAL DRUM

Loosen all screws and take the original drum out of the header.



STEP 3: LOOSEN THE ORIGINAL FLANGE SCREWS

Loosen all screws that hold the original flange (8-hole hub) and the splined shaft to the end of the original drum. Both parts are reused on the KAMPAG drum.



STEP 4: REMOVE THE FLANGE THROUGH THE INSPECTION DRAWER

This is the most delicate step: open the inspection drawer of the original drum and remove the flange from the inside — it comes out through the opening.



Keep the original flange (both faces shown below) and the splined shaft.

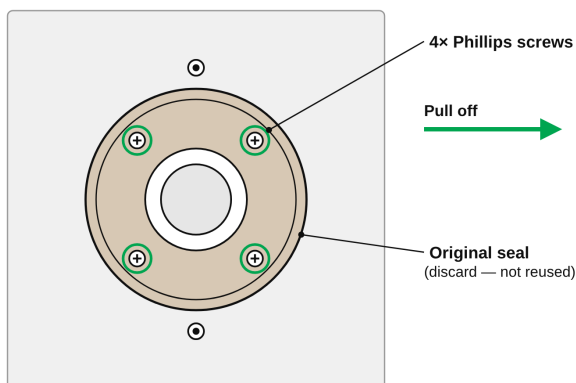


REPLACING THE SIDE SEALS (BOTH SIDES)

Replace the seals on both side walls before mounting the KAMPAG drum.

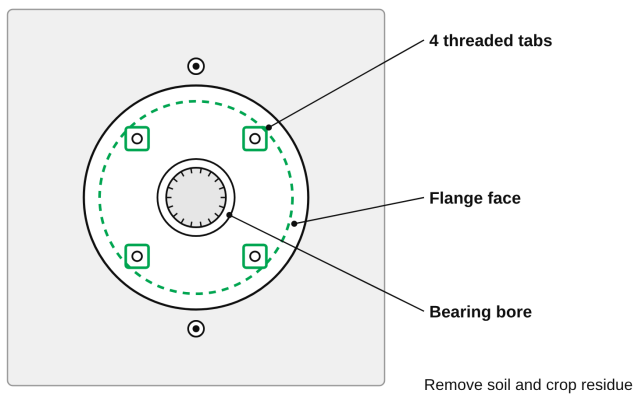
STEP 5: REMOVE THE ORIGINAL SIDE SEAL

Loosen the 4 Phillips screws holding the original seal and pull it off the bearing flange. Discard it — not reused.



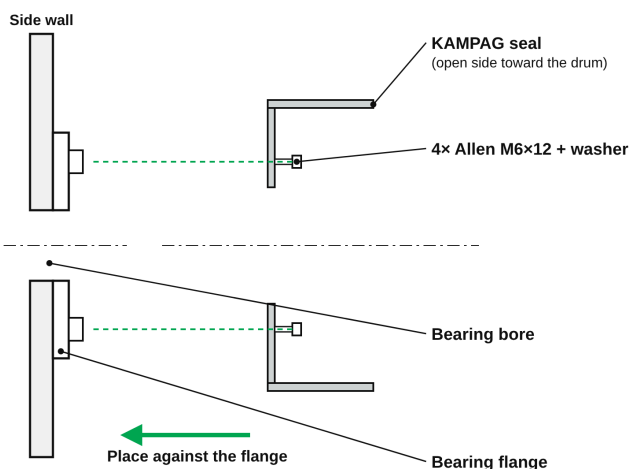
STEP 6: CLEAN THE BEARING FLANGE

Remove soil and crop residue from the flange face and the 4 threaded tabs, so the new seal sits flat.



STEP 7: POSITION THE NEW SEAL

Use the right seal (item 8, rectangle marking) on the right side wall and the left seal (item 11) on the left. Place the seal against the bearing flange with its open side facing the drum, centred on the bearing bore — no jig is needed.



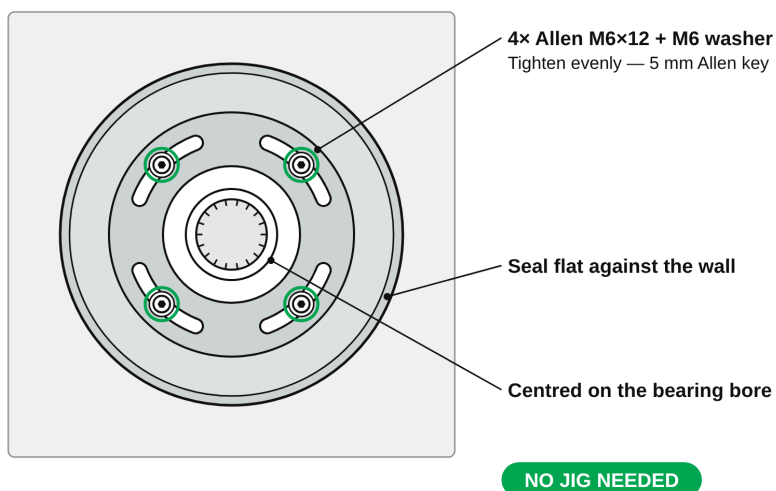
STEP 8: LINE UP THE SLOTS AND PRESS THE SEAL FLAT

Turn the seal until the slots are over the 4 threaded tabs, then press it flat against the side wall.



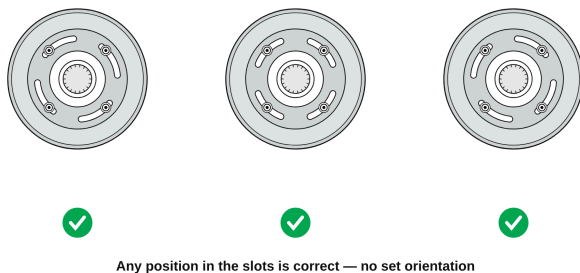
STEP 9: SECURE THE SEAL

Fit the 4 Allen M6×12 screws (item 13) with M6 flat washers (item 12), supplied in the kit, and tighten them evenly to 10 N·m. Tool: 5 mm Allen key.



STEP 10: CHECK THE SEAL

The seal must sit flat against the wall, centred on the bearing bore, and must not move by hand. Any position within the slots is correct — the seal has no set orientation.



STEP 11: REPEAT ON THE OTHER SIDE

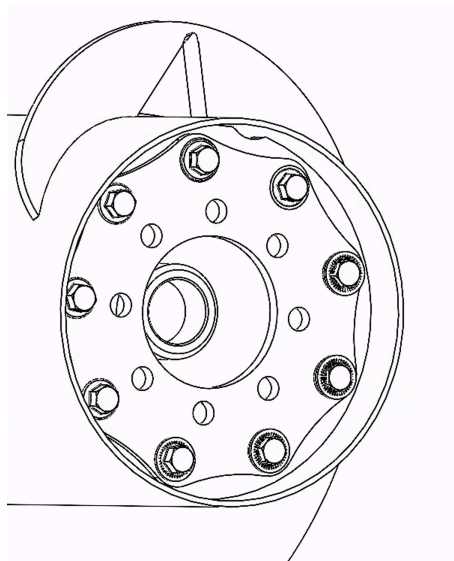
Steps 5 to 10 are the same on both side walls. Make sure the right seal (item 8) goes on the right side and the left seal (item 11) on the left. The right seal is identified by the rectangle marking on its face.



PREPARING THE KAMPAG DRUM – LEFT SIDE (DRIVE)

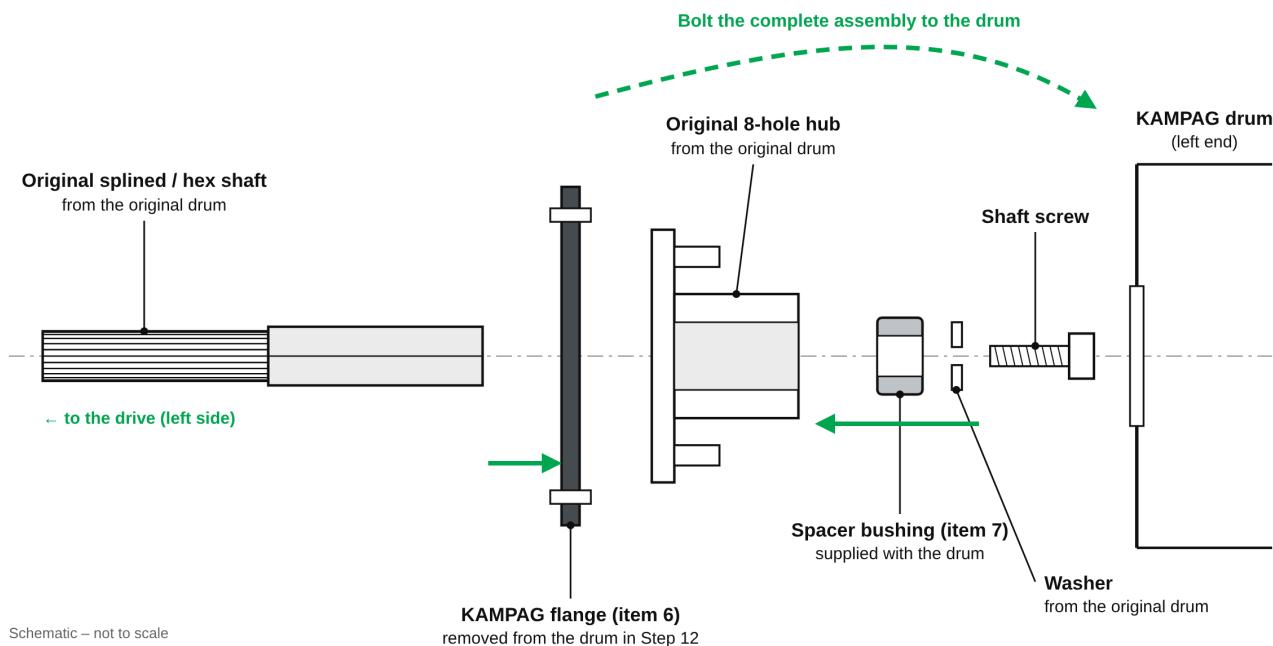
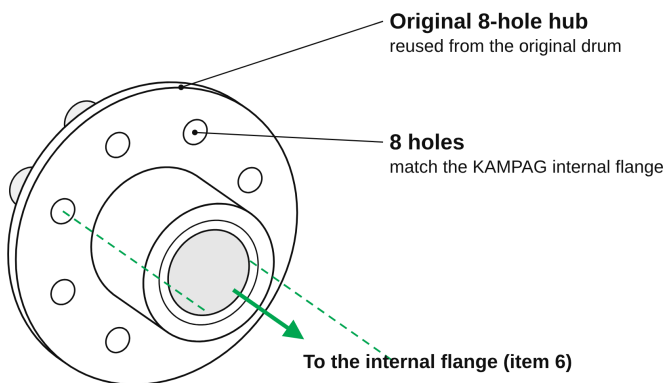
STEP 12: REMOVE THE KAMPAG FLANGE FROM THE DRUM

Loosen the flange (item 6) that is screwed onto the left end of the KAMPAG drum and take it off.



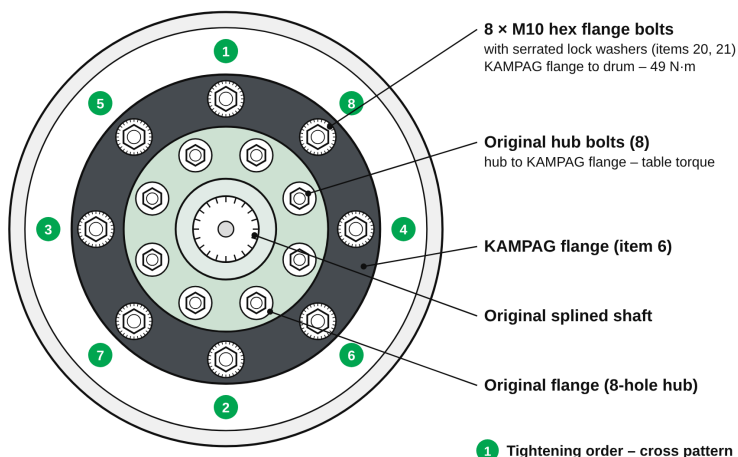
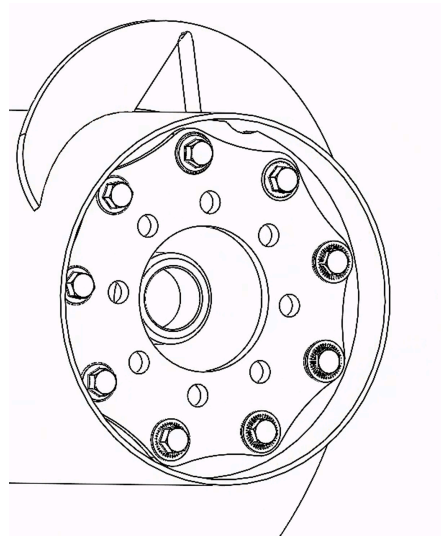
STEP 13: ASSEMBLE THE ORIGINAL FLANGE, THE KAMPAG FLANGE AND THE SPLINED SHAFT

Assemble the original flange (8-hole hub) and the KAMPAG flange (item 6) together with the original splined/hexagonal shaft and its screw. Also fit the spacer bushing supplied with the drum (item 7, arrow in the photo), with the original washer (reused from the original drum) between the bushing and the shaft screw.



STEP 14: BOLT THE ASSEMBLY ONTO THE KAMPAG DRUM

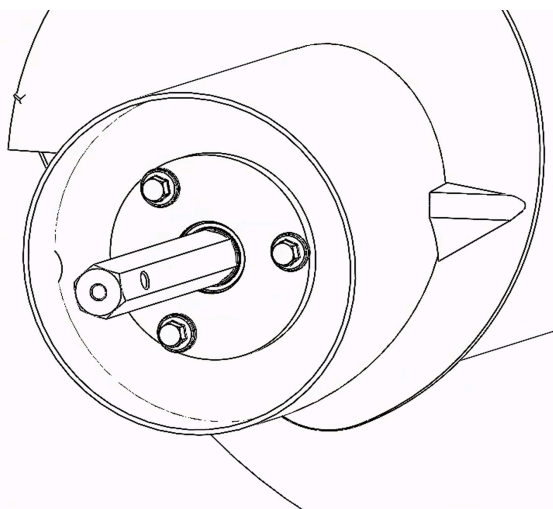
With the splined shaft connected to the flange, screw the complete assembly onto the left end of the KAMPAG drum. Tighten the M10 flange bolts to 49 N·m in a cross pattern. Tighten the original hub bolts and the shaft screw to the table value for their size and class.



RIGHT SIDE

STEP 15: CHECK THE HEX TIP

The hex tip (item 19) comes assembled in the right drum end with its flange and 3 M10×35 flange bolts (item 1). Check that the 3 bolts are tightened to 49 N·m. Tool: 15 mm socket.

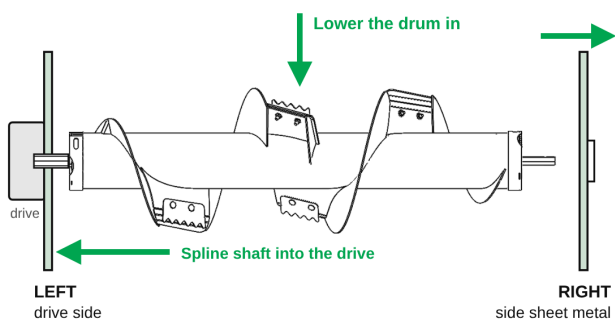


INSTALLATION OF THE KAMPAG FEED DRUM

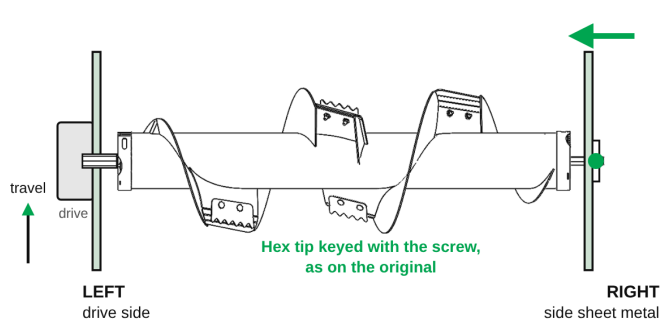
STEP 16: FIT THE DRUM, CONNECTING THE SPLINE SHAFT TO THE DRIVE SIDE

With the right side sheet metal still moved aside (Step 1), lower the drum into the central gap and engage the splined shaft in the drive on the left side.

1 – Sheet moved aside, drum fitted



2 – Sheet moved back, hex tip keyed



Top view – schematic, drum to scale



STEP 17: MOVE THE SHEET METAL BACK AND KEY THE HEX SHAFT

Move the platform sheet metal back into place and secure the hexagonal shaft in the same way as the original, using the screw to key it in place.





STEP 18: SECURE ALL SHEET METAL AND TIGHTEN ALL SCREWS

Refit and tighten all bolts along the edges of the side sheet metal, including the bottom corner bolts.



INSTALLATION COMPLETE

KAMPAG Feed Drum fully mounted in the header, side seals and sheet metal secured — ready to run.
After the first hours of operation, re-check that all bolts are tight.

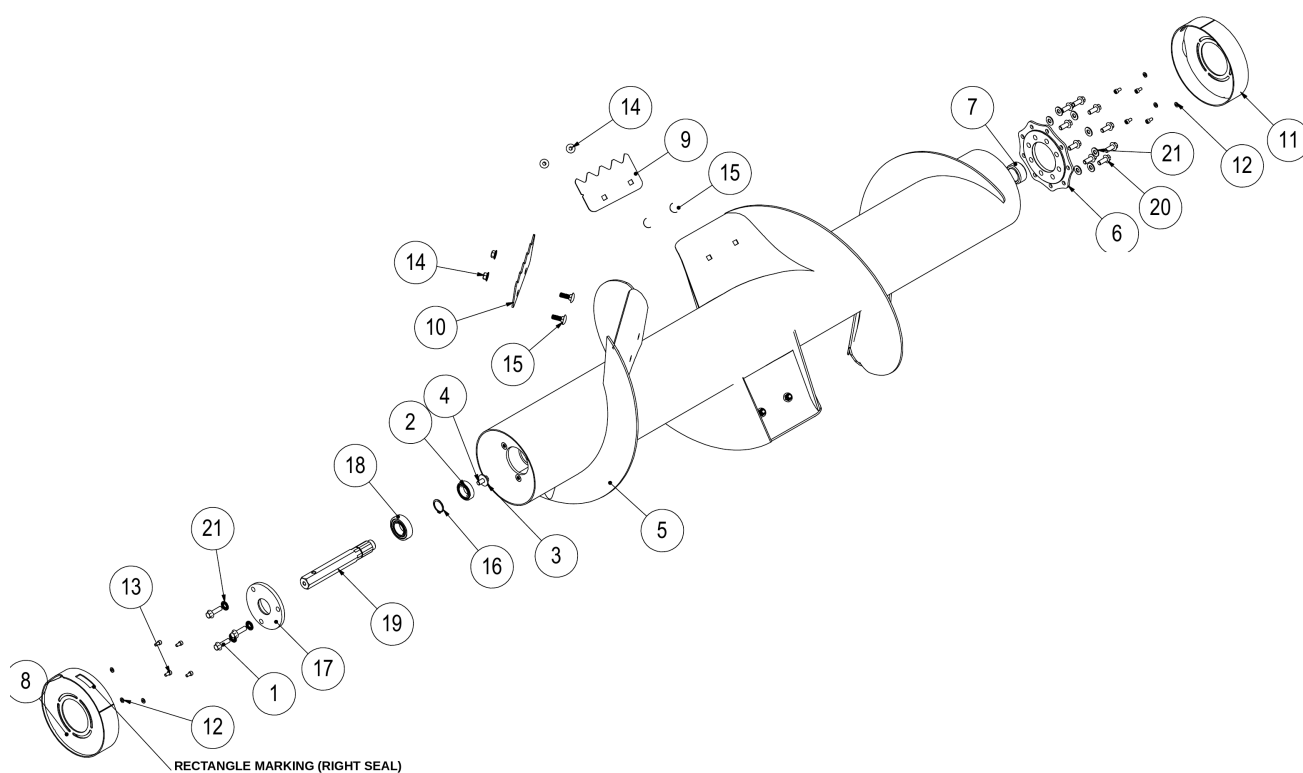
6 – PARTS CATALOG

Draper header feed drum (SKU: KPF04000016)

ITEM	SKU	COMPONENT DESCRIPTION	QTY
1	KMP30000297	HEX FLANGE BOLT M10X35 ZINC PLATED	3
2	KMP40000058	BALL BEARING 6005 2Z 25X47X12	1
3	KMP30000456	WIDE FLAT WASHER M10 ZINC PLATED	1
4	KMP30000139	HEX FLANGE BOLT M10X20 GRADE 8.8 ZINC PLATED	1
5	KPI10000312	DRUM & FLIGHTING WELD ASSY	1
6	KPI00000937	LEFT MACHINED FLANGE	1
7	KPI00001185	OPTIONAL BUSHING RCS	1
8	KPI10000285	SEAL KIT RCS-CL, RIGHT	1
9	KPI00001326	CENTRAL COMB PLATE RCS-CL	2
10	KPI00001327	SIDE COMB PLATE RCS-CL	3
11	KPI10000286	SEAL KIT RCS-CL, LEFT	1
12	KMP30000045	FLAT WASHER M6	8
13	KMP30000345	ALLEN (SOCKET HEAD) SCREW M6X12	8
14	KMP30000010	FLANGE NUT M10 ZINC PLATED	8
15	KMP30000569	CARRIAGE BOLT M10X1.5X30 GRADE 12.9 POL 603	8
16	KMP30000454	RETAINING RING (CIRCLIP) E30	1
17	KPI00001467	SHEET METAL BEARING HOUSING	1
18	KMP40000524	BEARING 6206-2RSR-C07-C3#N1 FAG	1
19	KPI00001468	HEX TIP 234MM	1
20	KMP30000012	HEX FLANGE BOLT M10X25 ZINC PLATED	9
21	KMP30000507	SERRATED LOCK WASHER MKME 40 10MM ZINC PLATED	12

6 – PARTS CATALOG

Exploded view – item numbers as listed on the previous page.





WARRANTY CERTIFICATE

Purchase date:

Invoice #:

Retailer Data

Name:

Address:

Signature:

Customer data

Name:

Address:

Phone:

Product data

Model SKU:

Manufacturing date:

Serial #:

KAMPAG, registered with CNPJ No. 13.552.558/0003-08, assures the customer identified above a 12-month warranty on the product described above, counted from the issuance of the Invoice. This warranty only covers malfunctions of the parts and components of the products under normal use in accordance with the accompanying manual provided by the manufacturer. This warranty will be automatically cancelled if the products are repaired by unauthorized persons, suffer damage due to accidents, falls and overload above the specified, or any unforeseeable occurrence resulting from misuse of the products by the user.

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CUSTOMER SIGNATURE

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SELLER SIGNATURE