

ZÜRN

H A R V E S T I N G



ZÜRN PREMIUM FLOW 700PF

The high-performance belt header

FOR COMBINES

**NEW HOLLAND
& CASE IH**



Maximum Capacity in all Crops and Conditions

The superior header

The PREMIUM FLOW belt header is the perfect solution for harvesting your valuable crop with speed and reliability in all conditions.

As modern combines have enormous capacities, it's a special challenge to ensure a consistent crop flow to utilise these capacities to full potential.

This is what you get from the PREMIUM FLOW header with active crop feed from the cutter bar to the intake auger – a technology that leads to a significant boost in your productivity.

With the PREMIUM FLOW header, you can take your combine to the limit of its performance.



MORE



PERFORMANCE

NOW AVAILABLE FOR NEW HOLLAND AND CASE IH COMBINES

The **PREMIUM FLOW** represents a totally re-engineered generation of belt headers that take header performance to a new level. These headers combine the massive intake auger with conveyor belts that feed the material actively into the machine ensuring a perfectly consistent crop flow to the threshing system. What's more, converting the header from cereals to rapeseed takes as little as three minutes. The superior header is now also available for New Holland and Case IH combines.

A Combine's Performance Begins at the Header

Top-of-the class functions for maximum versatility

A perfect crop flow on the header is fundamental for high throughputs. The active crop flow on the **PREMIUM FLOW** is the formula for achieving an optimum feed to the threshing system at all times.

Optimum crop flow in all harvesting conditions

Multiple rubber belt elements feed the material in a consistent flow to the threshing system, ensuring the combine operates at full potential. Each of these belt elements is mounted on separate bearings.

Ideal reel position within a large setting range

The optimised geometry of the reel arms allows the reel to be used in front of the cutterbar as well as over the auger. The open ends and open spider frames give operators the best possible view of the knife, crop dividers, and grain lifters.

Precision cut at high working speed

The unique Schumacher cutting system with finely serrated knife sections that are guided by rollers and mounted in a face-up/face-down arrangement produces a perfect cut at reduced input power. The sections are bolted individually to the knife for easy replacement.

Massive intake auger

The multi-finger intake auger measures an enormous 76cm in diameter and has 17cm flights which translates into ultimate combine efficiency, an aggressive infeed and a perfect flow to the threshing system.

**What you want from
a high-performance header**





Hydraulic auger height adjustment

Thanks to its hydraulic height adjustment, the intake auger delivers an optimum crop flow (also in very long material).

Quick crop conversion

The side knives are quick and easy to fit. The slim design and the low-vibration mechanical drive minimise shatter losses. No further conversions to the table are necessary when changing over to rapeseed.

Low-maintenance belt elements

The improved belt element technology offers the benefit of reduced weight. The space between the individual belts is sealed by rubber lips for minimum service and maintenance.

Hydraulic belt drive

The infinitely variable hydraulic drive allows operators to adjust the belt speed conveniently to suit individual crops. For example, the speed is easily reduced or the harvest of rapeseed or sunflowers.

- Maximum outputs and flexible use in all crops
- Perfect feeding - even in difficult conditions
Improved intake of lodged grain, rapeseed, peas, and grasses
- Active crop feed from the cutter bar to the intake auger for maximising machine capacity
- Extremely consistent crop feed to the threshing system, reduced load peaks and less wear on the drives
- Easy and fast conversion from rapeseed to cereals and vice versa
- Great operator comfort during long working days – no table adjustment in varying conditions
- Maximum productivity from high outputs per day and harvest campaign
- Reliable performance, minimal daily servicing



Boosting your Harvest Performance

The new header generation

The new **PREMIUM FLOW 700PF** series high-performance belt headers take the superior header technology with active crop feeding to a new level.

The **PREMIUM FLOW** impresses by virtue of even more performance, even less maintenance and even **higher** reliability.

ACTIVE CROP FLOW



PREMIUM FLOW delivers the optimum at all times

Harvest windows get shorter, and changeovers from one crop to another become more frequent as new varieties move in.

This is the scenario in which **PREMIUM FLOW** delivers optimum results – in any crop and without time-consuming table conversion.

The active crop flow on the long table requires less reel use and ensures the auger collects cut material only, thereby minimising losses.

PREMIUM FLOW is the ideal header for cutting laid crops. Also, its belts feed short material effectively from the cutter bar to the auger.

At the same time, the generous 100 cm distance from the cutter bar to the auger ensures long material is fed ears first for effective threshing.



Better Harvest

The new 700PF series



722PF - 740PF

The **PREMIUM FLOW** headers are available for all New Holland and Case IH combine harvesters in working widths from 6.70m (22ft) to 12.20m (40ft).



Optimum crop flow to the auger

Mounted at a shallower angle, the innovative belts optimise the crop flow to the auger – for even higher throughputs and an even better crop flow.



Low-maintenance belt elements

The belt elements have long and narrow drawers that collect the debris, thereby minimising the need for service and maintenance. The automatic tensioner ensures they are always properly tensioned and perfectly guided.



Stepless belt drive

The belts are driven hydraulically and the speed is controlled steplessly for perfect adaptation to different crops.



XXL intake auger

The massive 76cm auger offers plenty of space for the crop – for unprecedented results in high-yielding crops and thick rapeseed.



Crop conversion in record time

Changeovers to rapeseed can now be performed without tools, and even faster too. Simply hook up the new and extra-light side knives. Then pump up the auger. Done. In just three minutes.



Lift the auger up in seconds

To change the auger position for harvesting rapeseed, simply pump it up hydraulically. No tools required and it takes just a few seconds - thanks to the superior drive geometry.

Changing Over to Rapeseed in Record Time

One header for all

The PREMIUM FLOW makes changeovers from rapeseed to grain and vice versa a doddle. Stored on the back of the header, the rape knives can be fitted any time anywhere.

Switch to rapeseed in just three minutes now.

Simply replace the dividers with the mechanical knives.
Then raise the auger and select the belt speed.
Done. No tools required.



MAXIMUM
FLEXIBILITY

Minimise losses, harvest more!

The **PREMIUM FLOW** headers were developed with versatility in mind and for use in all types of crops. As such, the rapeseed equipment is included in the base equipment of every header. This includes an extended table that ensures no seeds are lost and an enclosed auger tray for a loss-free material flow into the combine.

Attaching the knives is child's play

The **ZÜRN** side knives are particularly light-weight requiring no extra electric or hydraulic drives. This way, you can effortlessly attach and remove the rapeseed knives. The absence of a motor on the top of the knife reduces its weight and unnecessary vibrations – the perfect setting for minimising losses.



Changeovers without tools

Changing over to rapeseed can be done without any tools at all and within a record time. The dividers and tips are removed just by opening a quick tensioner.



Practical storage

The knives and dividers are stored on the back of the header, where they are readily available for fast attachment.



Mechanical driven side knives

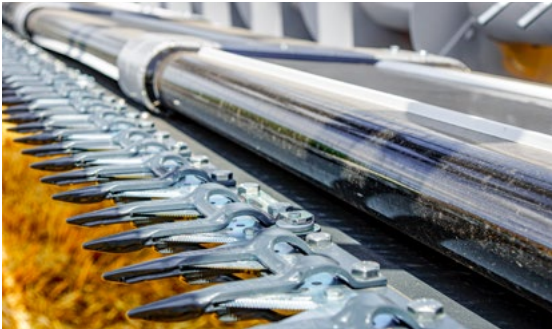
The two side knives are hooked to the header and locked in one operation. This also connects the mechanical driveline.



Quick auger adjustment

As a last step, quickly raise the massive auger. This is an easy job, thanks to the manual hydraulic pump, lifting the auger is done within seconds and without tools.

Minimum maintenance effort



The perfect cut

The Schumacher knife with double guards can be relied upon to produce consistently perfect cuts, because the knife sections receive individual guidance from standard rollers, which also translates into a long service life.



Easy service and maintenance

The drives and bearings are low maintenance and easy to access. The belts also act as integral stone protection for the header.



Effective seals

Tailored rubber sealings on stainless steel covers between the belts prevent ingress of debris and reduce maintenance requirements. The individually foldable belt elements provide best access for cleaning and servicing.



Fool-proof

Handling the individual belt elements is fool-proof, because the belts are tensioned automatically for optimum performance and long belt life. Debris collects in the drawers which can be easily pulled out.



Stepless drive

The rpm of the hydraulic belt elements can be adjusted infinitely. This is a one-time adjustment when you change to a different crop (e.g. to rapeseed or sunflower) and is easy to perform, using the valve conveniently located on the back of the header.



The multicoupler

Attaching the header to the combine is straightforward thanks to the multicoupler which couples all hydraulic lines in one operation, making attachment and removal a matter of seconds.



A man wearing a dark cap and glasses is working on a combine harvester. He is holding a cylindrical metal component, likely a roller, and appears to be adjusting or inspecting it. The harvester's large, curved metal components and the sharp, pointed teeth of the header are visible. The background shows a clear blue sky with some clouds.

The Fast and Easy Way of Servicing

Perfect interaction of all components

PREMIUM FLOW presents a significant upgrade to belt header technology. The new seals minimise the ingress of debris and, as a result, the need for daily checks and cleaning.

The active material feed technology of **PREMIUM FLOW** ensures that the crop is swiftly fed into the machine, heads first, for effective threshing. This reduces load peaks and wear on the drives and boosts reliability.

MAXIMUM RELIABILITY

A Cut Above the Rest

The perfect choice in all crops, yields, and conditions

The huge advantage of the active crop feed becomes clear when conditions turn nasty and crops are down or difficult to harvest such as peas and grass.

PREMIUM FLOW delivers optimum results no matter the conditions along the cutter bar, gathering the plants perfectly across the full work width.

This excellent performance is achieved by a table that is long (distance from the cutter bar to the auger) to handle tall, standing material, but also short because belts are actively feeding short and lodged crops.

PERFECT
FEEDING



Comparing headers

Seasoned **PREMIUM FLOW** operators have been convinced for a long time that the **ZÜRN** belt header is better than any other:

“The tougher and more varying the conditions get – where other headers reach their limits – that’s where **PREMIUM FLOW comes into its element.”**

| Suits multiple crops and conditions | Standard header with Zürn header extension | Header with extendable table | Draper header | Zürn PREMIUM FLOW header |
|----------------------------------------|--------------------------------------------|------------------------------|---------------|--------------------------|
| Gleichmäßiger Gutfluss bei | | | | |
| short and sparse straw | + | + | ++ | ++ |
| average straw length/mass | + | + | ++ | ++ |
| long straw, tall rapeseed | ++ | + | ○ | ++ |
| Harvesting laid crops | ○ | + | + | ++ |
| Adapting to varying harvest conditions | ○ | + | + | ++ |
| Suitable for | | | | |
| Cereals | + | ++ | ++ | ++ |
| Rapeseed | ++ | + | ○ | + |
| Beans, peas | ○ | ○ | ++ | + |
| Grass seeds | ○ | ○ | ++ | ++ |
| Crop conversion | + | + | ○ | ++ |

- Going strong in varying conditions, the active feeding of **PREMIUM FLOW** delivers premium results where variable tables have nothing to offer – in conditions where crops are lodged on one side of the header and standing on the other.
- Greater operator comfort during harvest days – no table adjustment in varying conditions.
- Universal header for all crops and harvest conditions. The complete crop conversion is done in record time.
- **PREMIUM FLOW** features active crop flow and the advantages of an auger header. When Draper headers reach their limits at high crop volumes, the precompression of the **PREMIUM FLOW**'s intake auger ensures a smooth transfer to the feederhouse even under these conditions.
- Up to 15% higher combine output over variable header technology – thanks to the superior crop flow.



Slim side panels

The new drive units are compact and simple by design, which means that the new side panels are also slim. The new contours allow the combine to move through the field without damaging the crop.



Optimum reel geometry

Thanks to optimised reel arm geometries, the reel adjusts over a large range for optimum adaptation to the specific conditions in rapeseed (move reel all the way backwards) and laid crops (move reel all the way forwards).

Taking Harvest to a New Level

The perfect header for your high-capacity combine

Wider headers boost your work rates and acreage per day and allow for slower ground speeds and less field traffic. On top of that, they ensure a more uniform crop feed into the combine.

PREMIUM FLOW 735PF and 740PF take your combine to an absolutely new level of performance. The high-capacity belt headers are the perfect match for your high-end combine. Their active crop feed system presents the material in an absolutely consistent flow to the threshing system and enables you to push your combine to its limits with confidence.

This is what you expect in terms of efficiency and results.



UNRIVALED EFFICIENCY

The high-performance belt header

The high-performance **PREMIUM FLOW 740PF** belt header fits perfectly on the most powerful combines. Giving an effective cutting width of 12.20m, the **PREMIUM FLOW 740PF** is the header for unprecedented acreages. When specified with an automated steering system, it blends perfectly into controlled traffic farming (CTF).



Generous working width

Extra wide working widths translate into a massive material flow across the header and into the machine. For this reason, the **735PF** and **740PF** headers feature high-performance cutting systems, reels and augers that are made to handle these exceptionally high throughputs.



Unrivalled crop feed

The centrally supported XXL auger with hydraulic height adjustment produces highly effective crop feed and maximises throughputs. For a perfect material flow through the auger tray and across the full working width, the augers of more than 35ft (10.70m) in length are split in two sections, each with an extra bearing in the middle of the header.



Perfect work

The reel on the **740PF** model is split in the middle – a design that helps maintain a consistent height across the full width and deliver a perfect performance in difficult conditions even when cutting very close to the ground.



Sustained reliability

The cutting system on headers of more than 35ft (10.70m) cutting widths is designed for especially high throughputs. The cutter bar is split in the middle for effective operation and powered by two synchronised lateral drives for exceptionally quiet running.

Convenient Handling, Safe Transport

Our complete range of header transporters

A good trailer is essential to achieve a fast-to field changeover without damage to combine or header.

The rugged header transporters from ZÜRN always deliver your headers speedily and safely to the field.



CONVENIENT TRANSPORT

Fast and safe transportation

The **ZÜRN** product range comprises a comprehensive range of header transporters. For safe travel on public roads, the **ZÜRN** header transporters are tailored to your specific combine and header model. This way, you find the

proper header transporter for your New Holland or Case IH header.



| Cutting width | 1-Axle Transporter | 2-Axle Transporter | 4-Wheel-Steered Transporter |
|-----------------|--------------------|--------------------|-----------------------------|
| 5,50 m (18 ft) | • | | |
| 6,10 m (20 ft) | • | | |
| 6,70 m (22 ft) | • | | |
| 7,60 m (25 ft) | • | • | |
| 9,15 m (30 ft) | | • | • |
| 10,70 m (35 ft) | | • | • |
| 12,20 m (40 ft) | | | • |
| 12,50 m (41 ft) | | | • |



The transport solution to match

Our extensive range offers the right header transporter for each header width. The supports are customised to accommodate the **PREMIUM FLOW**, ensuring convenient attachment and removal.



Quick and safely to your destination

The **ZÜRN** header transporters are homologated for travel on public roads in nearly all countries.



Large choice of transporters

No matter whether you opt for a single-axle, tandem or two-axle transporter, they all share the same rugged design for safe travel on public roads and on bumpy field tracks.



All-wheel steering

The four-wheel steered transporter is the perfect choice for managing narrow and curved field tracks. Following close behind the combine, it makes for safe transportation of even the widest headers.

Award Winning Innovations

Two Agritechnica silver medals

The immense advantage offered by **PREMIUM FLOW** harvest technology was also acknowledged by the Agritechnica innovations commission, an independent body of experts. The world's leading trade fair on agricultural machinery has presented ZÜRN with two awards in the past.

The impressive technology of the **PREMIUM FLOW** header was awarded a silver medal in 2005 and the electrically-driven ZÜRN i-FLOW a silver medal in 2015.



The 2005 silver medal for the superior header

PREMIUM FLOW presents a significant upgrade to existing belt header technology, and has earned ZÜRN a silver medal.



The 2015 silver medal for the intelligent header

The intelligent ZÜRN i-FLOW header generation was developed from **PREMIUM FLOW 740PF** technology. All drives on this innovative header are electric.

Happy Customers

Farmers have been operating **ZÜRN PREMIUM FLOW** headers for more than 15 years. Using them in the most diverse farming operations and many regions of the world, they have always given positive feedback. The qualities appreciated most about the **PREMIUM FLOW** header are a significantly increased combine performance, high reliability, low maintenance and quick changeovers to different crops.

These headers and their unique crop flow system were initially available for John Deere combines only. With the second generation of **PREMIUM FLOW** belt headers, a new lightweight frame was introduced. As demanded by our customers, the **700PF** series headers are now also available for New Holland and Case IH combines.

Comprehensive standard specification

The **PREMIUM FLOW** gives you maximum flexibility. The standard specification model comprises a fully-fledged rapeseed kit, grain lifters that are stored on the back of the header, short and foldable crop dividers, a spare knife and a fully equipped tool box. The base specification **700PF** model also features work lights and reel tines made from composite material.

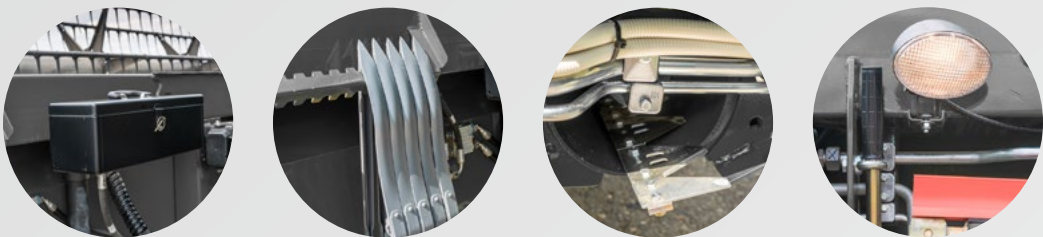


Technical Details

ZÜRN PREMIUM FLOW for New Holland & Case IH combines

| Model | 722PF | 725PF | 730PF | 735PF | 740PF |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----------------|-----------------|
| Cutting width | 6.70 m (22 ft) | 7.60 m (25 ft) | 9.15 m (30 ft) | 10.70 m (35 ft) | 12,20 m (40 ft) |
| Number of belts | 5 | 5 | 6 | 7 | 8 |
| Belt length | 500 mm | 500 mm | 500 mm | 500 mm | 500 mm |
| Table length | 1,000 mm | 1,000 mm | 1,000 mm | 1,000 mm | 1,000 mm |
| Intake auger diameter | 760 mm | 760 mm | 760 mm | 760 mm | 760 mm |
| Auger flight height | 170 mm | 170 mm | 170 mm | 170 mm | 170 mm |
| Centrally supported auger | – | – | – | ● | ● |
| Belt drive | Hydraulic, infinitely variable | | | | |
| Rapeseed kit | ● 2 counter acting side knives, 1,350 mm, mechanical driven via knife drive with dog clutch, quick fit without tools, approx. 20 kg | | | | |
| Crop dividers | ● 2 short and foldable dividers, quick fit without tools | | | | |
| Cutting system | Schumacher EasyCut II cutting system with double guards and individually bolted sections with fine serration | | | | |
| Guide rollers in place | ● | ● | ● | ● | ● |
| Dual knife drive | – | – | – | ● | ● |
| Spare knife, fine serrated | ● | ● | ● | ● | ● |
| Grain lifter | ● | ● | ● | ● | ● |
| Split reel | – | – | – | – | ● |
| Reel tines | Composite tines | | | | |
| Multicoupler | ● | ● | ● | ● | ● |
| Number of AHC sensors for automatic header control | 3 | 3 | 4 | 4 | 4 |
| Splash guard on rear wall | ● | ● | ● | ● | ● |
| Tool box | ● | ● | ● | ● | ● |
| Stubble lighting | ● | ● | ● | ● | ● |
| Weight | 2,920 kg | 3,140 kg | 3,640 kg | 4,290 kg | 4.780 kg |

● Standard ○ Option – not available



135 Years of Passion for Ag Machinery

Our complete product range



The harvest specialist

We are firmly rooted in farming and at home in the fields around the world. The origins of **ZÜRN** date back to the blacksmith shop that was founded in 1885. Since then, **ZÜRN** has evolved to become a synonym for 100% Made in Germany quality.

At our Merchingen production site, we develop and manufacture equipment for combines and forage harvesters of all brands. New technologies for mechanical weed control complete our extensive product range.

Our Hohebuch production site develops, manufactures and markets research plot combines that ensure plot-to-plot purity.

State-of-the-art production technology and service expertise ensure high-performance and reliable products that boost your productivity.

Combine headers

- **PREMIUM FLOW** high-capacity belt headers
- **SOLERO** sunflower headers

Header extensions

- **RAPSPROFI II** rapeseed header extensions
- **COMPACT** side knives
- Sunflower extensions

Header transporters

- Single-, tandem-, two-axle header transporters
- Four-wheel steer header transporters

Headers for forage harvesters

- **PROFI CUT** direct cut headers for biomass

Econventional Farming

- **TOP CUT** ^{collect} weed collector
- **TOP CUT** weed cutter
- **SEED TERMINATOR** multi-stage hammer mill

Agricultural field trial equipment

- Plot combines
- High-clearance tool carriers
- Plot seeders



Zürn Harvesting GmbH & Co KG

Kapellenstr. 1 · 74214 Schöntal-Westernhausen · Germany

Tel.: +49 (0) 7943 9105-0 · Fax: +49 (0) 7943 9105-33

info@zuern.de · www.zuern.de

This brochure is available internationally. Some illustrations and texts may refer to optional equipment and accessories that are not available in all regions. Further information is available from your local dealer. Zürn Harvesting reserves the right to change specifications and designs shown in this brochure without notice.

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