FRONT LINKAGE
FRONT PTO
OVERALL PROGRAM

50 YEARS OF QUALITY
1964-2014

www.hydram.com
QUALITY MADE BY HYDRAC
MORE THAN 50 YEARS
HYDRAC is a leading company in the product ranges front-loaders, front-PTO, front-linkages and municipal equipment. With the philosophy “For every truck and tractor, for every job and for each customer the suitable equipment”, HYDRAC offers a wide range of products with many different options.

Due to centuries of experience in research/development and the use of modern production methods, we were able to gain market advantage in development and technology. Our quality management system according to ISO9001 ensures best quality and performance.

Perfect service: Extensive consultation and quick customer service is at the top of HYDRAC’s priorities! An additional plus: Special requests can be fulfilled in a short and easy way!
SERIES F-CS

FRONT LINKAGE SERIES F-CS (COMPACT)

Stiff construction with 3-arm positioning, fix mounted.

STANDARD EQUIPMENT

- Arms are foldable and are curved upwards to the inside (for no limitation of a front loader)
- Swing compensation
- Stopcock in supply pipe
- Top link
- Drawbar
- Double-acting lifting cylinder
- Walterscheid lower link hook cat. 2.
- Painting in tractor colours

<table>
<thead>
<tr>
<th>Type</th>
<th>F2-CS</th>
<th>F3-CS</th>
<th>F4-CS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifting force at 175 bars, approx.</td>
<td>2000 kg</td>
<td>3000 kg</td>
<td>4000 kg</td>
</tr>
<tr>
<td>Lifting height, approx.</td>
<td>900 mm</td>
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</tr>
<tr>
<td>Recommended tractor power approx.</td>
<td>up to 85 HP</td>
<td>up to 140 HP</td>
<td>up to 200 HP</td>
</tr>
</tbody>
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SERIES F-CSI

FRONT LINKAGE SERIES F-CSI (INTEGRATED)

Stiff construction with 3-arm positioning, fully integrated.

STANDARD EQUIPMENT

- Arms are foldable and are curved upwards to the inside (for no limitation of a front loader)
- Swing compensation
- Stopcock in supply pipe
- Top link
- Drawbar
- Double-acting lifting cylinder
- Walterscheid lower link hook cat. 2.
- Painting in tractor colours

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<td>Recommended tractor rating, approx.</td>
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FRONT LINKAGE SERIES F-US (UNIVERSAL) detachable

Easy to park- and height-adjustable!
To be used on multiple tractors!
Also available as a self-adaption kit!

STANDARD EQUIPMENT
- Arms foldable
- Swing compensation
- Stopcock in supply pipe
- Single-acting lifting cylinder
- Walterscheid lower link hook 2 cat.
- Painting in tractor colours

COMFORT PACKAGE
- Top link
- Drawbar
- Double-acting lifting cylinder

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<td>up to 85 HP</td>
<td>up to 130 HP</td>
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MOUNTING BRACKETS FOR SELF ASSEMBLING
Bolt diameter Ø 30 mm
For welding with an existing frontloader console or self-adaption.

MUNICIPAL PLATE (EURO size 3) FOR FRONT LINKAGE

- EURO attachment size 3
- Implementation instead of lower link
- Incl. top link fixture
- Suitable for front linkage by HYDRAC, original Steyr/Case, Fendt, Zuidberg, Stemplinger, Sauter;
SERIES F-USK

FRONT LINKAGE SERIES F-USK
(FOR MUNICIPAL PLATE COMBI)

ONE console for mounting a front linkage and snow plough.

STANDARD EQUIPMENT
- Arms foldable
- Swing compensation
- Stopcock in supply pipe
- Top link
- Drawbar
- Double-acting lifting cylinder
- Walterscheid lower link hook 2 cat.
- Parking supports
- Painting HYDRAC black or RAL 2011

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<tr>
<td>Recommended tractor power approx.</td>
<td>up to 88 HP</td>
<td>from 75 HP</td>
<td>from 120 HP</td>
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SERIES F-USP

FRONT LINKAGE SERIES F-USP
(FOR PLATE)

For hooking onto the size 3 municipal plate or on request also for a plate size 5.

STANDARD EQUIPMENT
- Arms foldable
- Swing compensation
- Stopcock in supply pipe
- Top link
- Drawbar
- Double-acting lifting cylinder
- Walterscheid lower link hook 2 cat.
- Parking supports
- Painting HYDRAC black or RAL 2011

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An infinitely adjustable load relief of the snow plough or mower leads to an increasing front axle load - Advantages are:

- More load on the front axle
- Increases driving safety due to better directional stability
- Up to 30% more pressure on the front wheels
- Better and perfect grass cut

Easy operation via soft keys - easily adjustable.

**Linkage operation, electrical:**

- Infinitely adjustment of load relief at the operating unit with a potentiometer.
- Discharge possibility up to 85% of the equipment weight.
- An integrated 3D tilt sensor detects the inclination of the tractor in terrain, which is integrated in the operating unit. The relief pressure may correct automatically the pitch up or down.
- Memory for up to 6 different implements
HYDRAC front PTOs have proven themselves for years in the toughest operations. The sophisticated technology not only guarantees the best quality but also enormous operational safety. With HYDRAC you can always have a reliable partner at your side.

**STRONG FEATURES FOR HYDRAC**

- **Length compensation**
- **Flexible angle compensation**
- **Hardy disc compensates shock moments from the drive.**
- **The clutch is running in oil - extremely wear-resistant**
- **Shaft can be turned by hand - for easier connection**
- **Sealed at all joints preventing dirt and water from getting in and grease from getting out!**
- **PTO Shaft brake prevents the shaft from rotation.**
- **Soft start, also under load**
**SERIES 1000**

**STANDARD EQUIPMENT**
- 1 drive shaft: 1000 rpm right, in driving direction
- In oil running multi-plate clutch for very soft start
- Electrohydraulical start control
- No control unit from the tractor is necessary
- In oil running shaft brake

**SERIES DUO**

**STANDARD EQUIPMENT**
- 2 driveshafts: 1000 rpm right and 540 rpm on the left, in the direction of travel
- Electromagnetical single disc clutch
- Electrically start control including closing lock
- No control unit from the tractor is necessary

see type catalogue

**SHIFT TRANSMISSION**

For use of Unimog’s implements; so that the tractors PTO remains in the same position as the unimog 1000 rpm rotation direction right side.
ADDITONAL EQUIPMENT OF HYDRAC

HYDRAC offers a variety of options and additional equipment, which makes your machine even more universal and guarantees longer lasting.

FRONT & REAR COUNTER WEIGHTS

- 3-point attachment 2 cat.
  - 500 kg
  - 800 kg
  - 1000 kg
  - 1200 kg
  - 1400 kg

- Tractor linkage / drawbar
  - 500 kg
  - 800 kg

REAR COUNTER WEIGHT

- 500 kg
- 800 kg
- 1000 kg
- 1200 kg
- 1400 kg
ZUSATZAUSSTATTUNG FÜR HYDRAC FRONTSYSTEINE

OPTIONAL AVAILABLE

- Relief spring holders (for front mowing)
- Vibration damping SDF mechanically controllable
  - The vibration damper absorbs vibrations and reduces front loader and tractor wear.
- Switch valve SA/DA
- Parking supports for easy parking
- Lift work operation, electrically mounted on front linkage
  - (only possible when the tractor’s control device is available!)
- Mounting brackets for self assembling
- Support beam UK (up to clutch housing)
- Support beam UH (up to rear axle)
- 2 additional hydraulic lines with forward plug coupling socket (1 DW = double-acting)

OPTIONAL EQUIPMENT FOR HYDRAC FRONT SYSTEMS