

Dry soil conditions?

Small beets?

Harvest as it grows – with the HOLMER recommendations for optimisation of the harvest settings and operation.

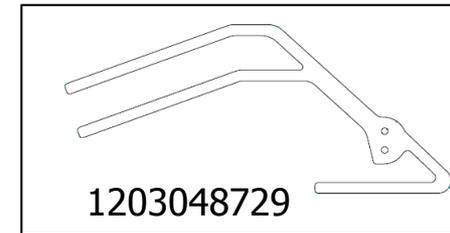
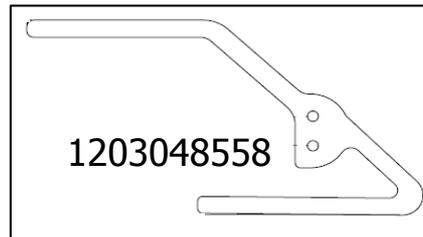
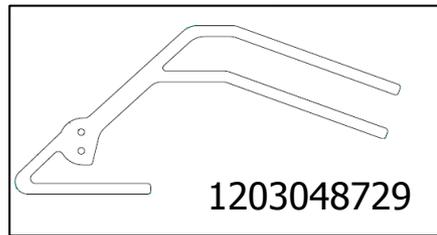


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Technical changes at the HR Lifter

So that small beets don't get lost...

▶ ... mount the extra share guide, to minimize losses at the lifter
(The share guide is standard for 2017 and later deliveries.)



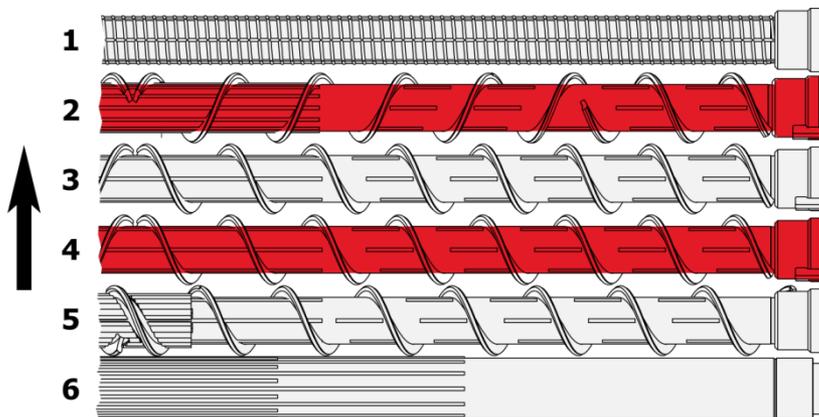
Technical changes at the HR Lifter

- ... change rollers at the roller table to bigger diameter (114mm) ones, to minimize the distance between the rollers

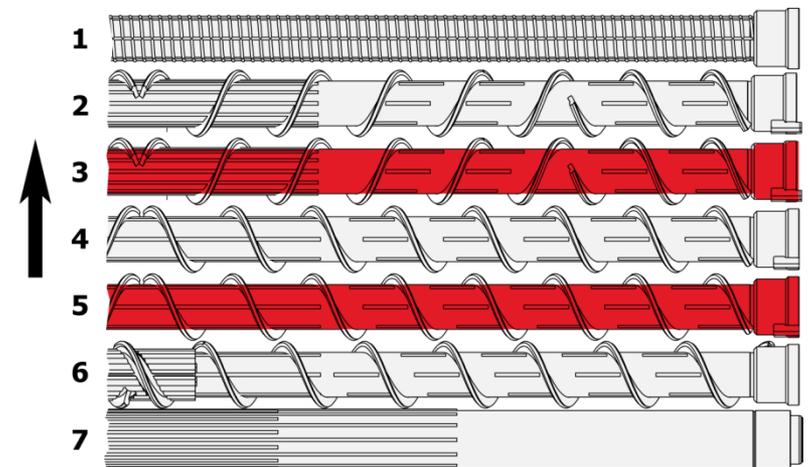
Depending on the different versions 2. and 4. (**HR**) or 3. and 5. (**HR2 = 7-Roller Lifter**) rollers can be exchanged.

HR50/VHR45-50	2. roller	1203028849
HR50/VHR45-50	4. roller	1203031915
HR45	2. roller	1203028848
HR45	4. roller	1203031914

HR2 50/VHR2 45-50	3. roller	1203028849
HR2 50/VHR2 45-50	5. roller	1203031915
HR2 45	3. roller	1203028848
HR2 45	5. roller	1203031914



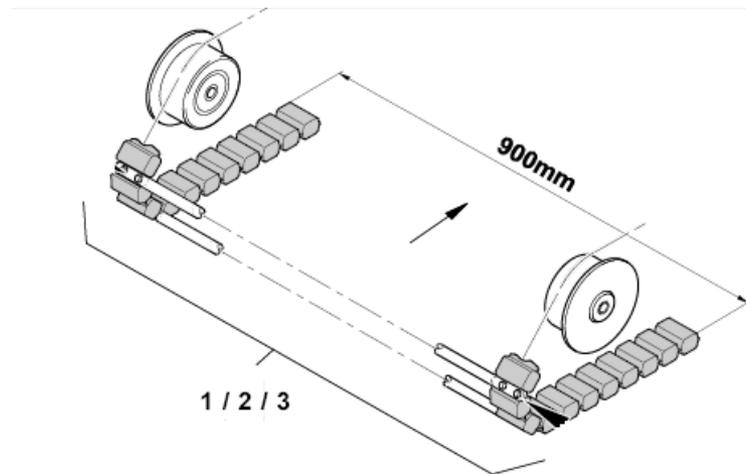
HR-Lifter



HR2-Lifter

► ... use conveyor with shorter separation gaps.

HOLMER recommendation: The belt T50 = 50 mm gaps or T60 = 60 mm gaps is best; if the belt with T70 = 70mm gaps is mounted, it can result in losses of smaller beets.



1	gapping T 50mm	1056061403
2	gapping T 60mm	1056055945
3	gapping T 70mm	1056055946

Technical changes at the cleaning turbine

- ▶ ... if the machine is equipped with spring hinges, please assemble the gliding rings.
- ▶ Alternatively the machine can be equipped with guide rails or guide rails with additional 5th guide piece. The distance between the guide rails is standard 60 mm, at the version with the extra 5th guide piece its 50 mm.

Right guide turbine 1	1204026201	2x
Inner guide turbine 1	1204047782	1x
Rear guide turbine 1	1204041836	1x
Left guide turbine 2	1204026200	4x
Inner guide turbine 2	1204045796	1x
Right guide turbine 3	1204026201	3x

Small Beets Equipment



Small Beets Equipment



Standard

Technical changes at the elevator

- ▶ ... at the elevator the distances can be reduced by assembly of special tubes.

Tube

1161056454

181x



Recommendations for the optimum settings of the HS-topper

- ▶ The setting of the topper is the same as in normal harvesting conditions. The topper height should be adjusted so that 30-60mm of leaves remain after the topper passed on the beets.



Recommendations for optimum settings of the DynaCut knives



The **Basic setting** at the DynaCut scalper should be adjusted to **minus 5 mm** in any conditions. For the basic settings the scalper must be at the lower stop position (the topper lifted up and safety chains engaged). The scalper comb should be fixed 5mm below the scalper knife. (see picture below)



To achieve excellent scalping results a sharp scalper knife is required.

The scalper knives can be re-sharpened at the upper edge. If its re-sharpened assure that the whole length of the knife is worked on.

Recommendations for optimum settings of the HR Lifter

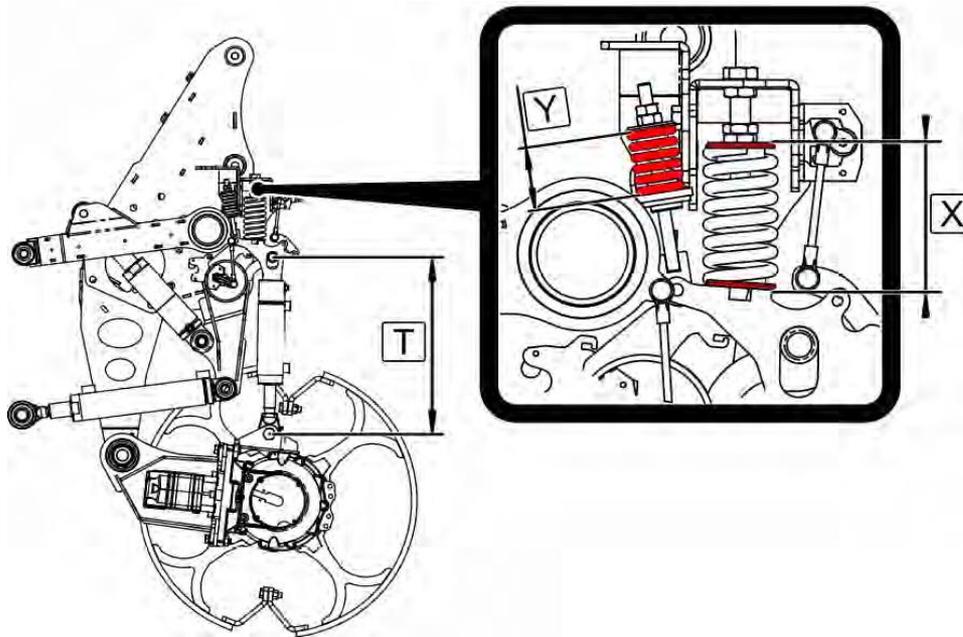


- ▶ The shares remain in the standard position (shares fixed in the rear and upper position; see markings in the picture)
- ▶ Harvesting depth need to be adjusted to avoid breakage of tips.
- ▶ Extremely dry conditions can result in misbehavior of the shares-steering. In these cases switch to leaf-feeler.



Recommendations for optimum settings of the HR Lifter

- ▶ The pre-load of the spring regulating the automatic lifter level control must be set according to the user manual for dry soil. If this pre-load is adjusted, it must be assured that this is done on both sides – right and left.



Pos	Cylinder for automatic lifter level control	Value in mm
T	Has to be adjusted to this value before the adjustment of the springs.	465

Pos	Pressure-Spring	Value in mm
X	dry	110
X	normal	115
X	wet	125

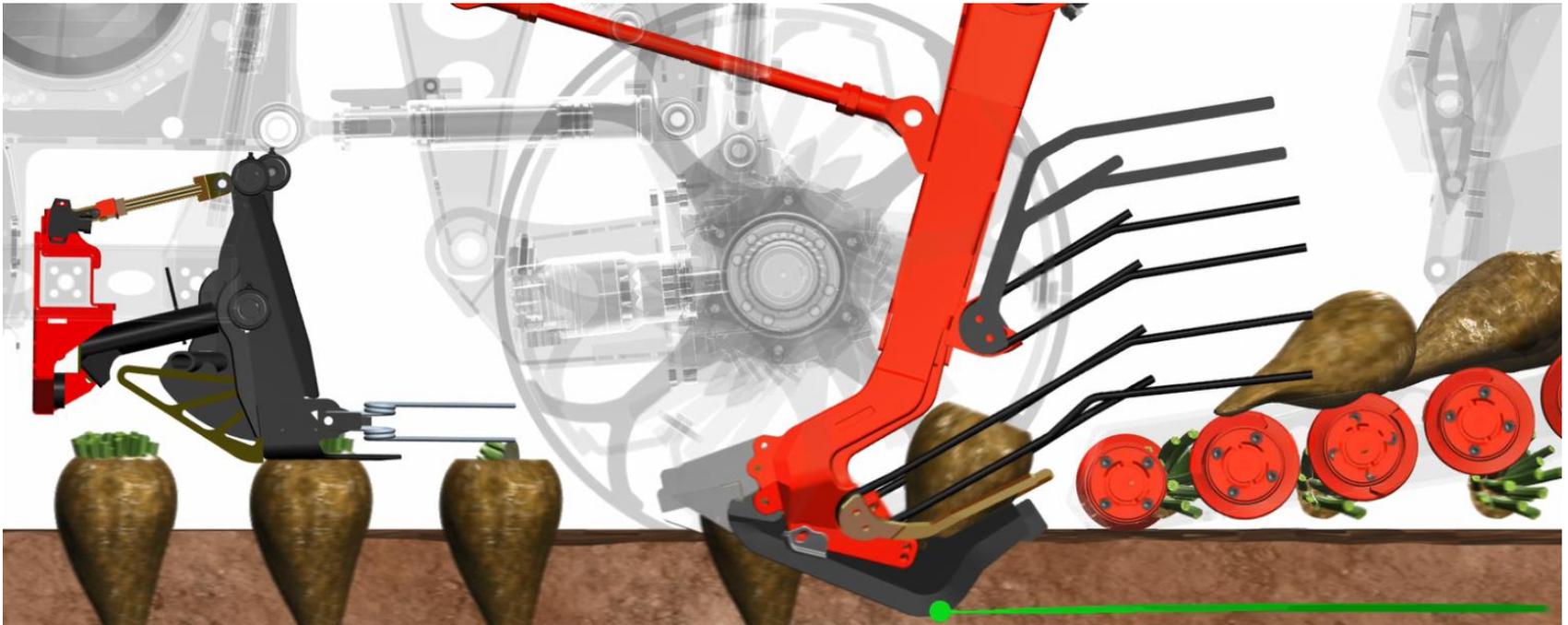
Attention: the length of the spring is measured **WITH** distance rings!

Pos	Pull-Spring	Value in mm
Y	always	55

Attention: the length of the spring is measured **WITHOUT** distance rings!

Recommendations for optimum settings of the HR Lifter

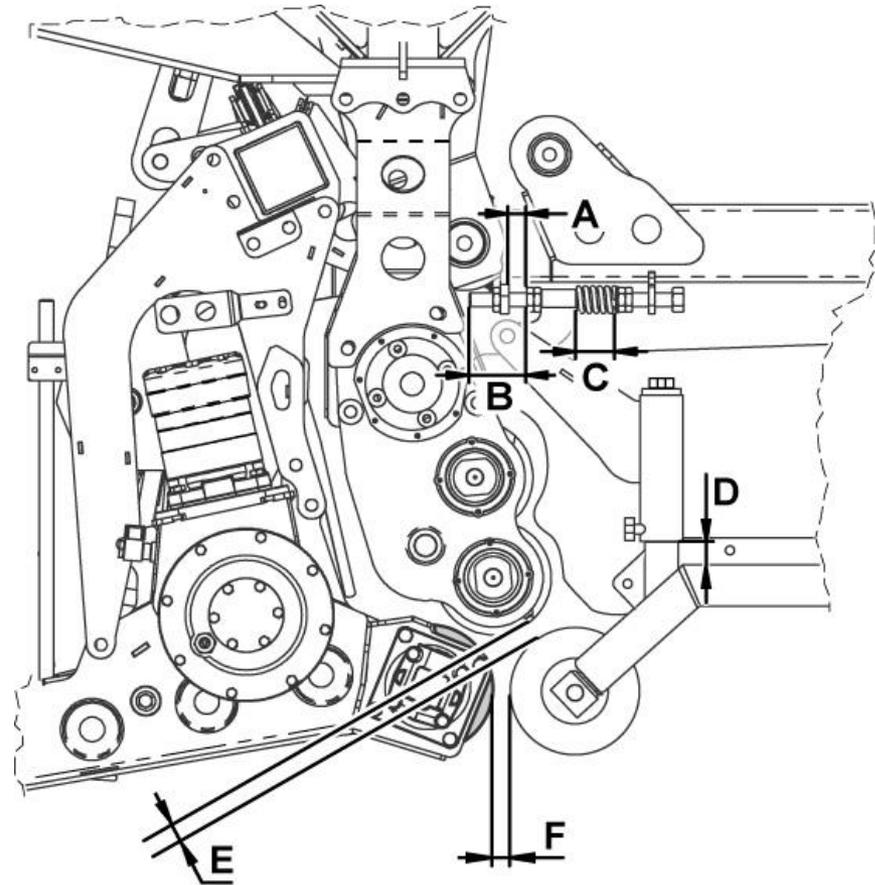
- ▶ Adjust the roller table height as low as necessary. Still keep it above ground level!



Recommendations for optimum settings of the transfer web

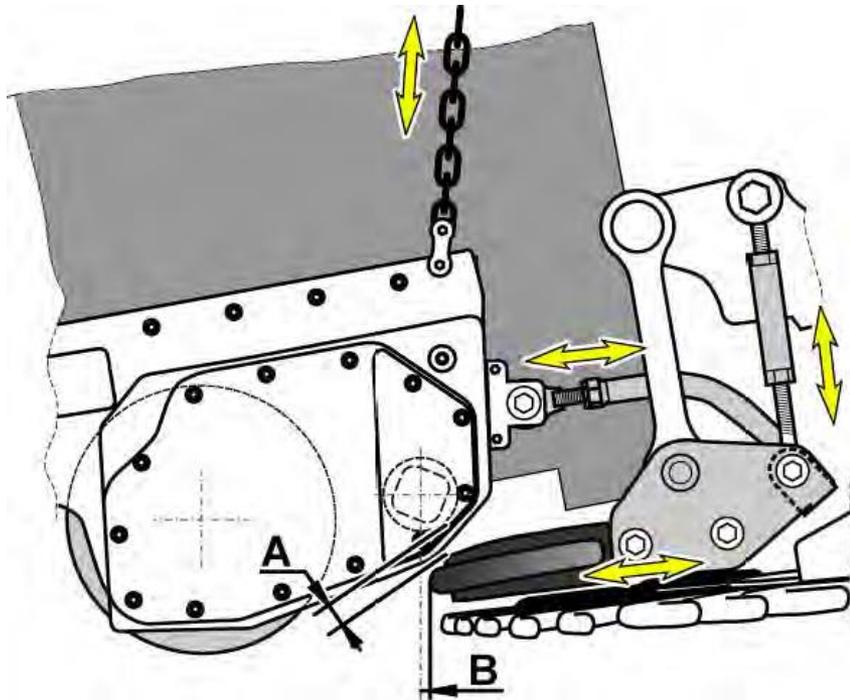
- ▶ Distance between last roller and transfer web must be checked for correct distance

Pos	requirement in mm
A	25
B	80
C	55
D	25 +5
E	10 +5
F	15



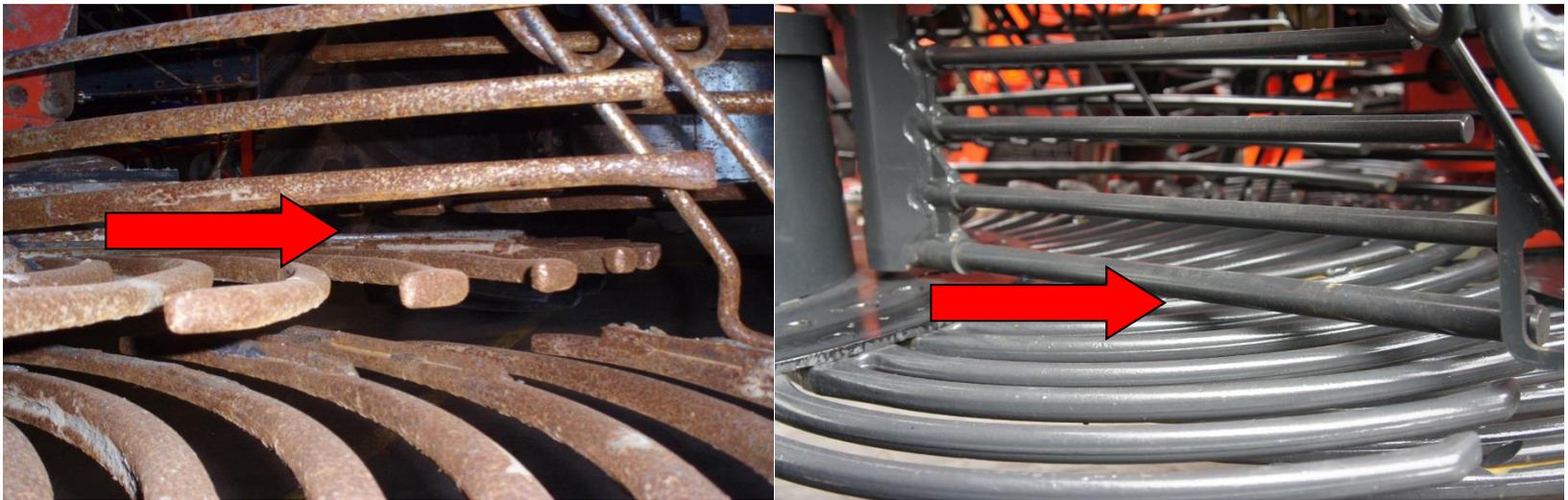
Recommendations for optimum settings of the transfer web

- ▶ Losses occur often at the transfer point between transfer web and 1st turbine. It's recommended to assure correct settings and control them regularly.



- ▶ Drop lifter in to working position (down)
- ▶ Adjust the height distance of the transfer web to the first turbine (**value A**) with the rod strainer at the rear chain.
- ▶ The height distance (**Value A**) of the transfer web square roller to the first turbine spring steel hoop should be set to about 30 mm.
- ▶ The spring steel hoop at the first turbine put forward so far, that it is half covered by the square roller of the transfer web (**Value B**).

- ▶ Lower the inner grates at the 1. and 2. so far that they just pass the turbines' transport attachment without contact.



- ▶ The turbine speed should be not too low, as the small beets can fall through between the turbines tines (Turbine speed about 30-40 %).
- ▶ Open the outside grate max 5%, so that dried leaves can be removed here.

We are here for you!

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- ▶ You made the right choice:
At the beet harvest 2016 the HOLMER HR lifter has shown, that it delivers even at very dry conditions and solid soil very good performance. Where others had to stop, the HR-Lifter still goes strong. The reason: the oscillating HOLMER shares.
- ▶ And yes:
At dry conditions the wear and tear is higher. But you should not save money at the wrong end – a well equipped and adjusted machine harvests the beets as they grown.
- ▶ Any questions? Your HOLMER partner will support you.
- ▶ Also the **HOLMER customer support** in Eggmühl is always available for you!

24h-Hotline:
+49 (0)9451 - 9303 3900



Much success and good luck with the
2018/19 campaign!!



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