

Intermediate Drive 2.0

In most situations, the installation of longer conveyor systems requires the addition of intermediate drives that support the main drive in the operation of the conveyor system. These intermediate drives have been fundamentally revised and improved by LUBING. The objectives are an optimized transport of the conveyor chain as well as full compatibility with existing stand-alone systems. The design of the intermediate drives has been redesigned from the ground up. The result is the Intermediate Drive 2.0:

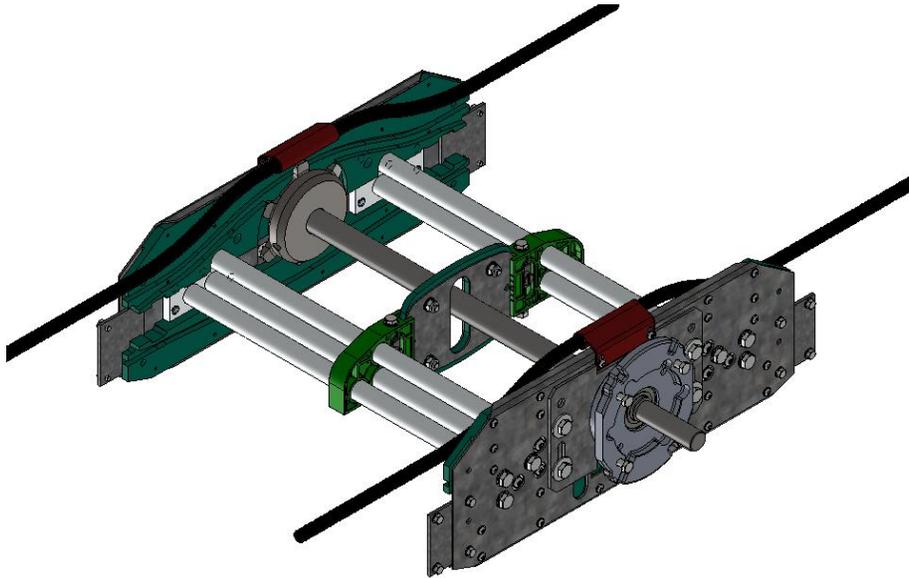


Figure 1

Intermediate Drive 2.0 Overview	
Conveyor-Type	Part Number
250	4935-10
350	4868-10
500	4835-10
750	4898-10
1000	5435-17

Through optimized guidance of the conveyor chain and a new design of the sprocket, a more favorable chain overlap ratio could be achieved. As a result, the LUBING Intermediate Drive 2.0 ensures smoother operation of the conveyor chain.

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If the intermediate drive is mounted in a horizontal section of the conveyor system with chain engagement at the top, the large deflection is always used. (see Figure 2)

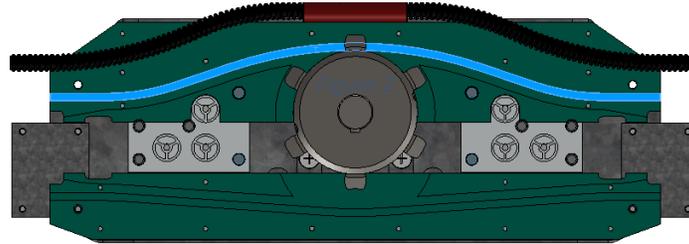


Figure 2

In the case of installation with chain engagement at the bottom, the large deflection is always used. This applies both to horizontal installation and to installation in an inclining or declining section. (see Figure 3)

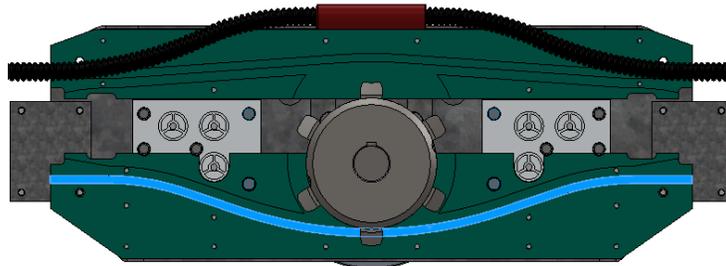


Figure 3

The entire intermediate drive can be turned 180° to change from chain engagement at the top to chain engagement at the bottom. Only the connection plates and the cover strips need to be repositioned. (see Figure 4)

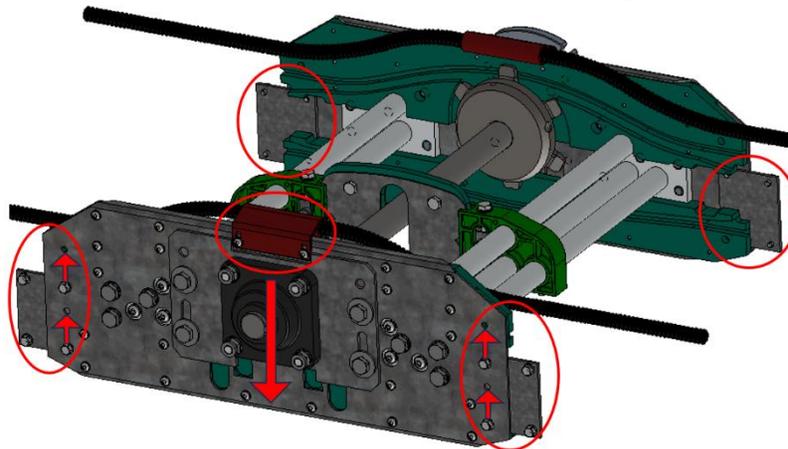


Figure 4

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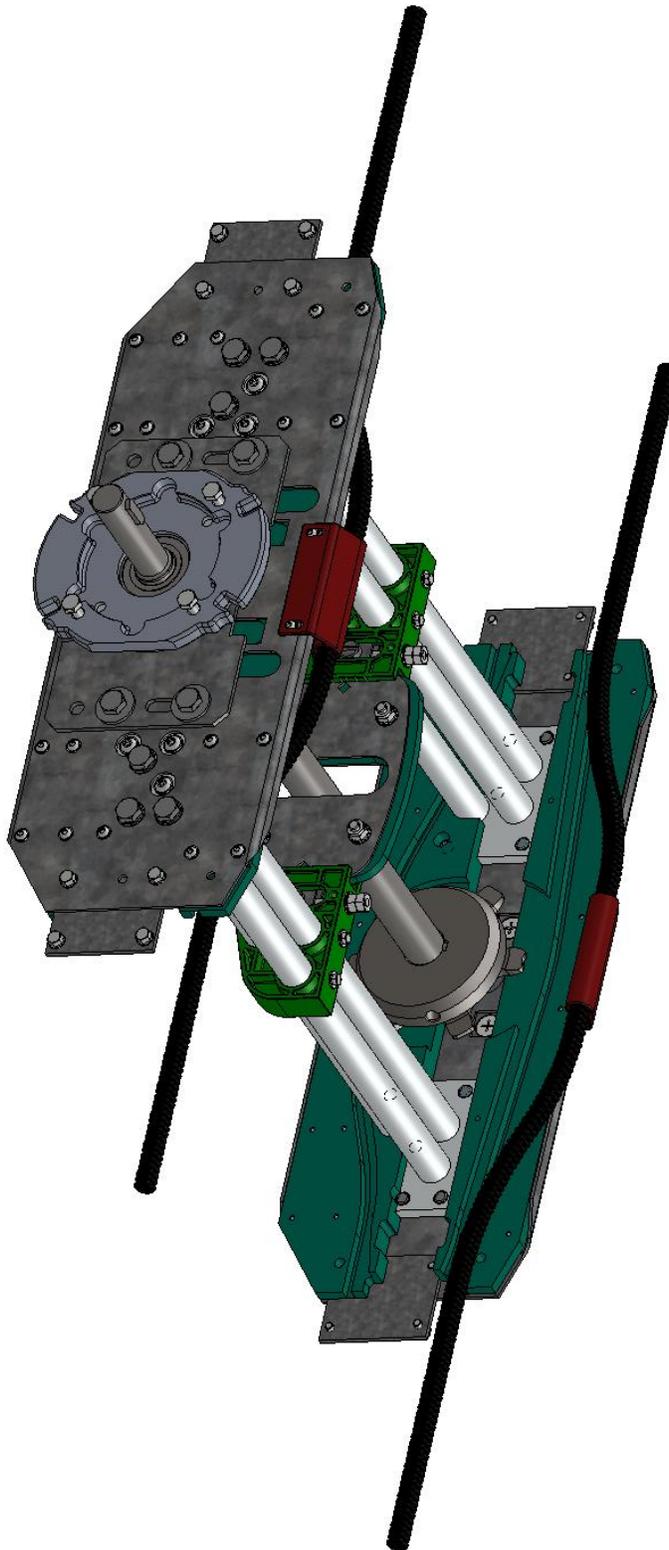
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Figure 5 – This shows the intermediate 2.0 after the modifications of the connection plates and cover strips



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The position of the central pressure piece can be adjusted by the 2 screws highlighted below to suit the conveyor chain used. As an aid for orientation, markings have been added to the plastic part to indicate the starting position of the pressure piece depending on the type of conveyor chain. (see Figures 6 & 7)

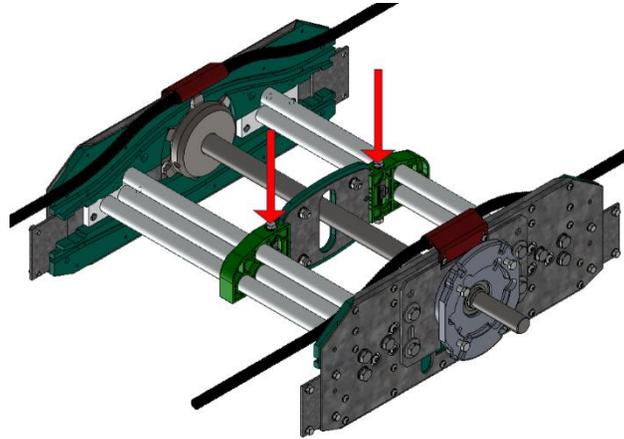


Figure 6

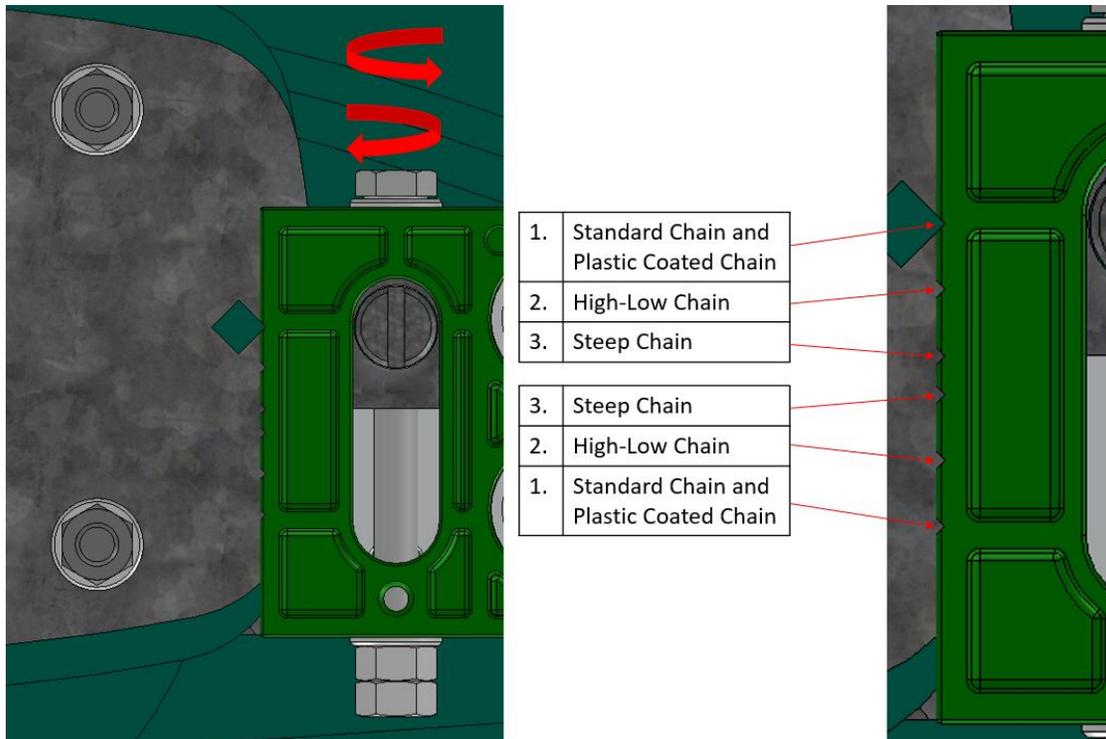


Figure 7

The scale which is closer to the upper chain is always decisive. The upper chain is always the chain which picks up and transports the eggs.



Important Information!

The screws for adjusting the pressure piece are also accessible when the chain is already pulled in. The rods should be in contact with the pressure piece but should not press on the plastic part. The pressure piece is not a chain tensioner!

Intermediate Drive 2.0 in an inclining or declining section - Chain engagement at the top

If the Intermediate Drive 2.0 is used in an inclining or declining section with chain engagement at the top, the small deflection must be used. (see Figure 7)

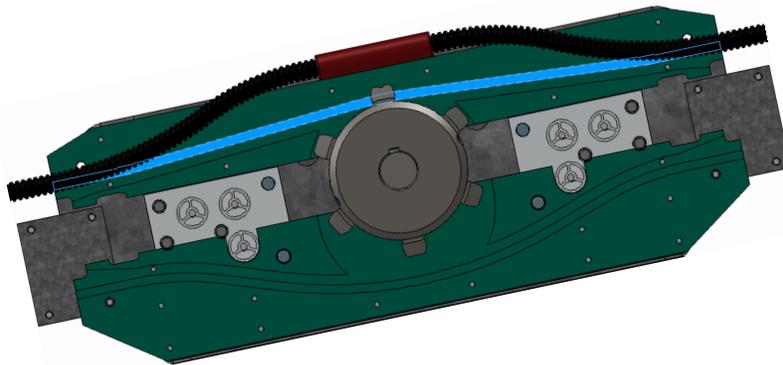


Figure 8

In this case, the drive shaft must be repositioned, since all intermediate drives are preassembled at the factory with engagement in the large deflection. The position of the drive shaft is changed by means of four screws. Screws 3 and 4 must be loosened, screws 1 and 2 must be completely removed and reinstalled in the alternate position. (see Figure 9)

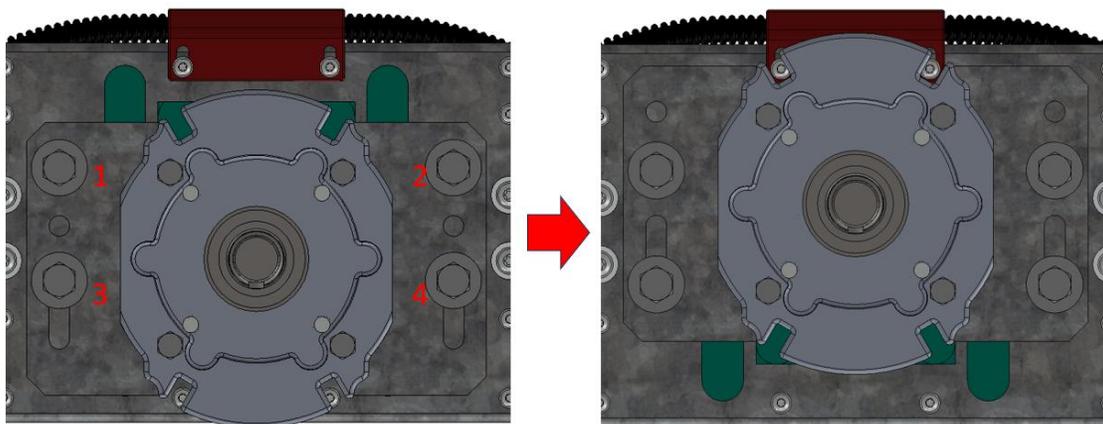


Figure 9

Figure 9 shows an example of the process for one side of the drive. The same process needs to be repeated on the opposite side as well. The slotted hole serves as a guide when lowering the drive shaft. The result of the conversion is shown in Figures 9 & 10.

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Chain engagement small deflection (top)

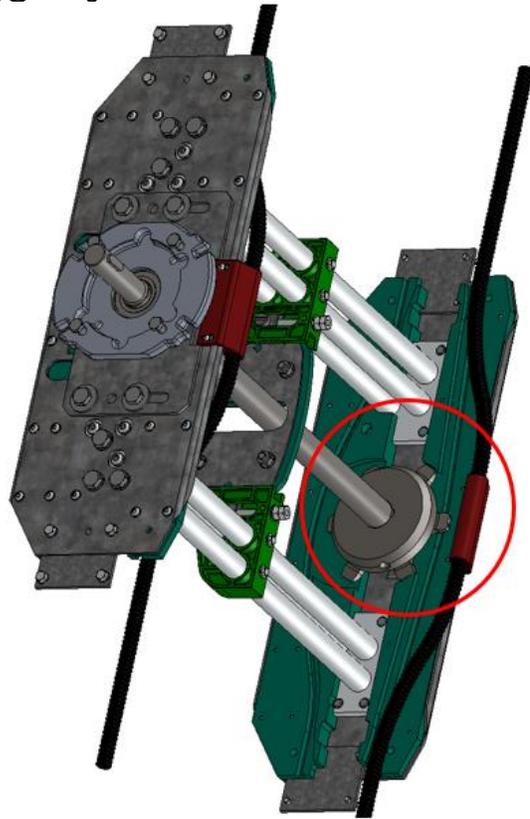


Figure 10 – Conversion from a small deflection top drive to a large deflection bottom drive.

Chain engagement large deflection (bottom)

