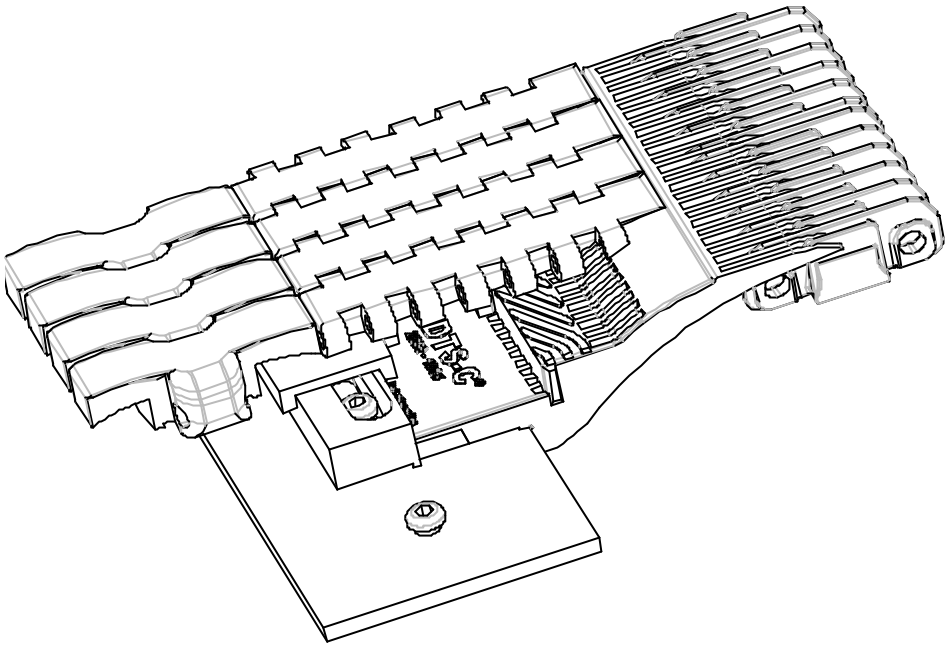
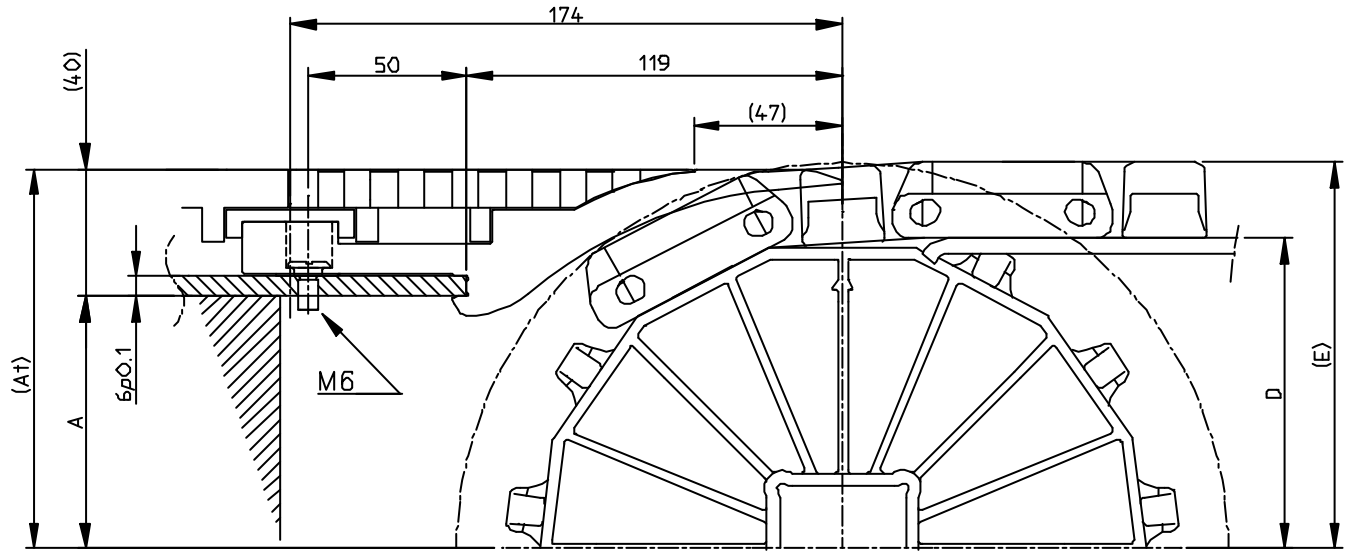
## DTS-C 2000 – 1005 construction



DTS-C is a brand new system which improves self-clearing of the infeed and discharge in combination with 2" Raised Rib modular belts. The system is designed for cans & PET, it can be used at the infeed of machines with glass. It is not recommended to use DTS-C at the outfeed of machines with glass. For optimum performance of the DTS-C transfer system please follow these guidelines carefully.

***Overview comb – sprocket position for RR(HD) 2000 belt in combination with FFTP 1005***




| Sprocket size | Pitchdiameter | A* | D | E |
|---|---|---|---|---|
| 10 t | 164.4 | 55.7 | 73.7 | 97.7 |
| 12 t | 196.4 | 71.8 | 89.8 | 113.8 |
| 13 t | 212.2 | 79.9 | 97.9 | 121.9 |
| 16 t | 260.4 | 104.0 | 122.0 | 146.0 |

*) Dimension A has to be adjustable for "fine tuning" after installation. Use Part 362 as wearstrip.

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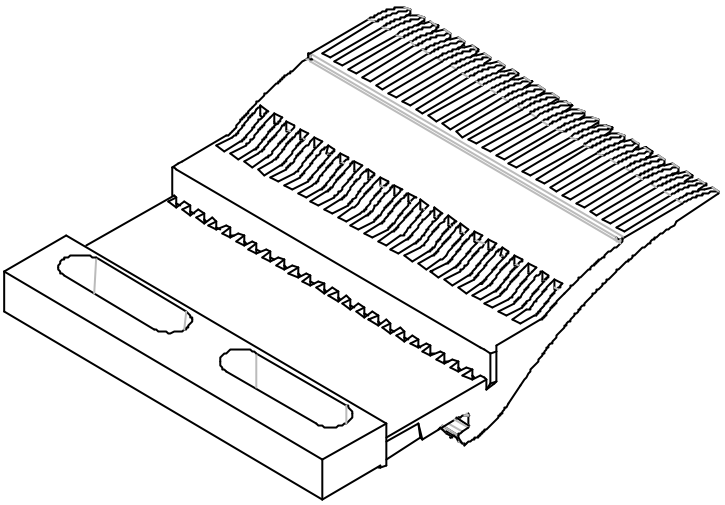
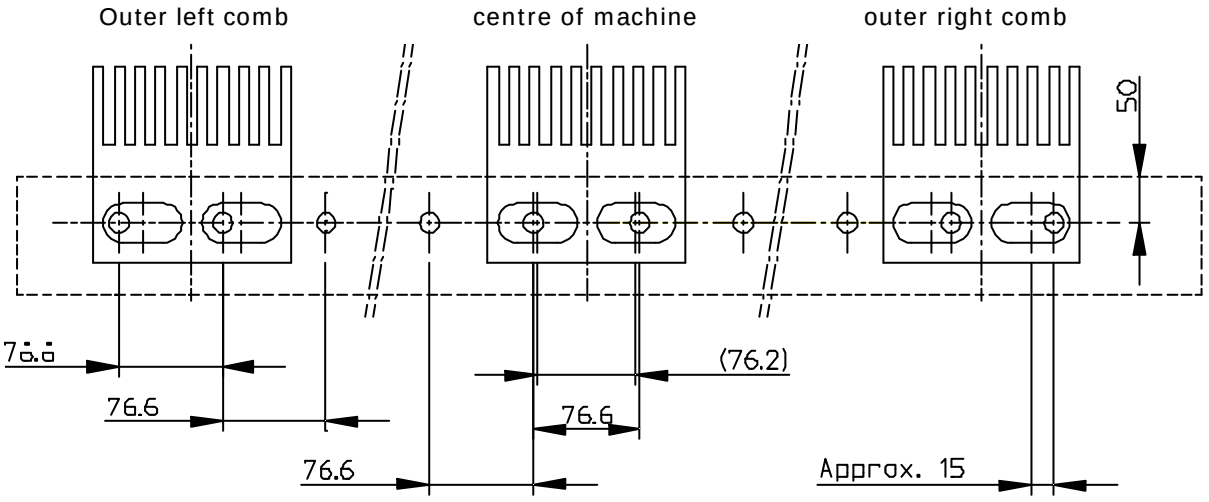
## DTS-C finger comb installation



The DTS combs are equipped with oblong holes, which are centered at 76.2 (3") pitch. These oblong holes are used to bolt the combs onto the supporting profile. The supporting profile should be drilled with M6 holes at 76.6mm pitch. Using 76.6mm pitch enables the combs to accomodate thermal expansion over the full width of the machine. It is recommended to use RR2000 belts with Positrack to ensure thermal expansion is equal to both sides.

**Note:** Please note that the supporting beam and strip must be straight and level, and strong enough to prevent deflection.

***Drilling holes for comb fixing (sizes in mm)***



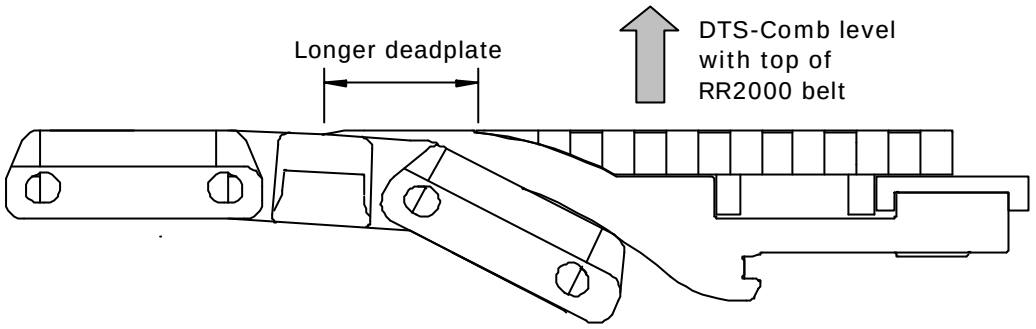

All DTS-C modules should be placed level. To ensure the DTS-Comb can slide sideways in order to follow on the thermal expansion of the belt we recommend to fit the original shouldered screws only. These screws are supplied with the combs (2 each). Do not overtighten the bolts (max. 13 Nm).

**Note:** For belts wider then 5500mm or temperatures above 90°C at the in/outfeed, please contact our Techical Support Department for calculating the recommended pitch of the screws.

## Adjusting the DTS-C transfer for optimum performance

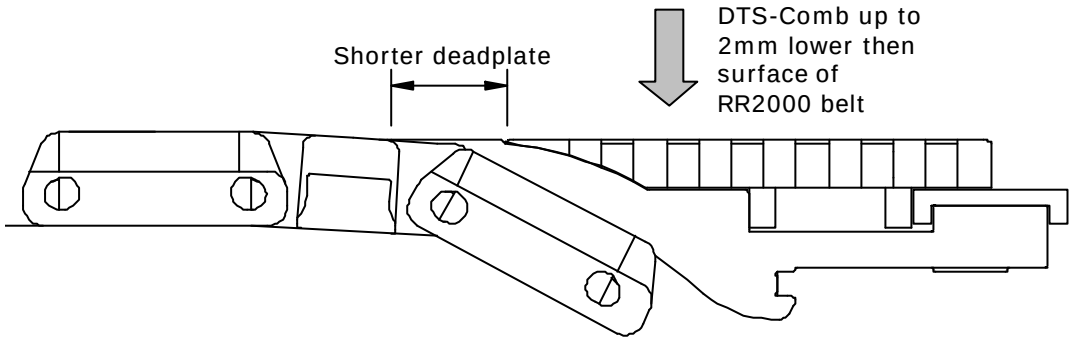
The top of the DTS-C must be positioned level or up to 2 mm below the flat surface of the RR(HD) 2000 belt. Final adjustment the of combs is achieved as follows.

**Higher position of the DTS-Comb**




Positioning the comb higher increases the dead plate but will also provide a smooth product flow.

**Lowering the position of the DTS-Comb**




Lowering the comb decreases the dead plate, but will also decrease the product flow stability, due to the chordal action.

Optimum performance of the DTS-C is achieved by fine-tuning when running the machine with the actual products.