

Trailing Stoploss & TP – In depth

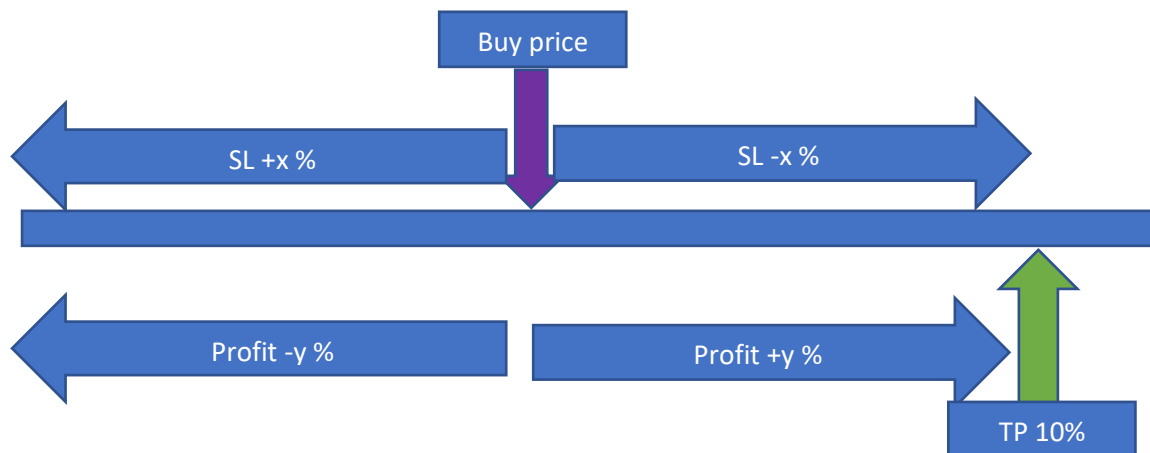
Configuration

- TP: 10%
- Activation-percentage: 4%
- Initial-stoploss-percentage: 2%
- SL-increment-factor: 1.0 (100%)
 - Normally I recommend a lower value, but for the examples below this is an easier percentage to use.

SL and TP ranges

The information below is a must (!!) to know and understand. It explains how 3C works regarding to the SL and TP calculation of a DCA deal:

- 3C calculates TP over *average* buy price.
- 3C calculates SL over *base* buy price.
- **So: SL and TP range is inverted.**

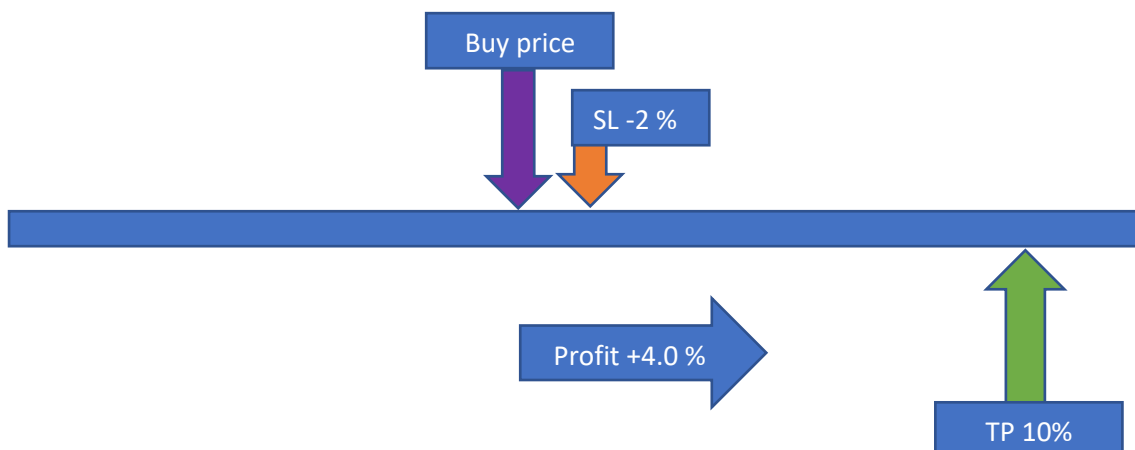


Deal with 0 SO completed

- Buy price: \$1.0.
- TP (10%): \$1.10.

Activatie percentage reached

- Activation of 4% reached (current price: \$1.04)
- The SL should start on 2%, which corresponds with a price of \$1.02:
 - Because SL is calculated over buy price, this results in -2%.

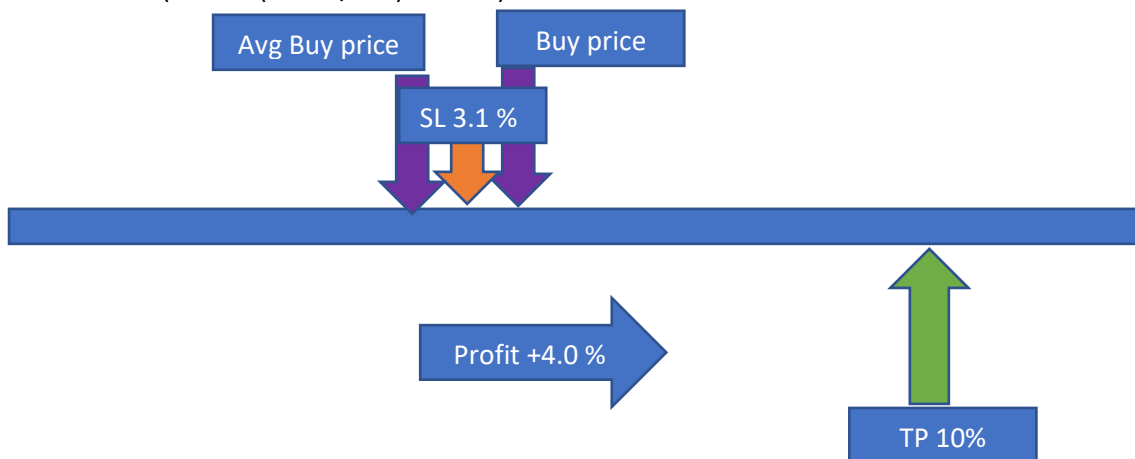


Deal with 1 or more SO completed

- Buy price: \$1.0.
- Average buy price: \$0.95
- TP (10%): \$1.045.

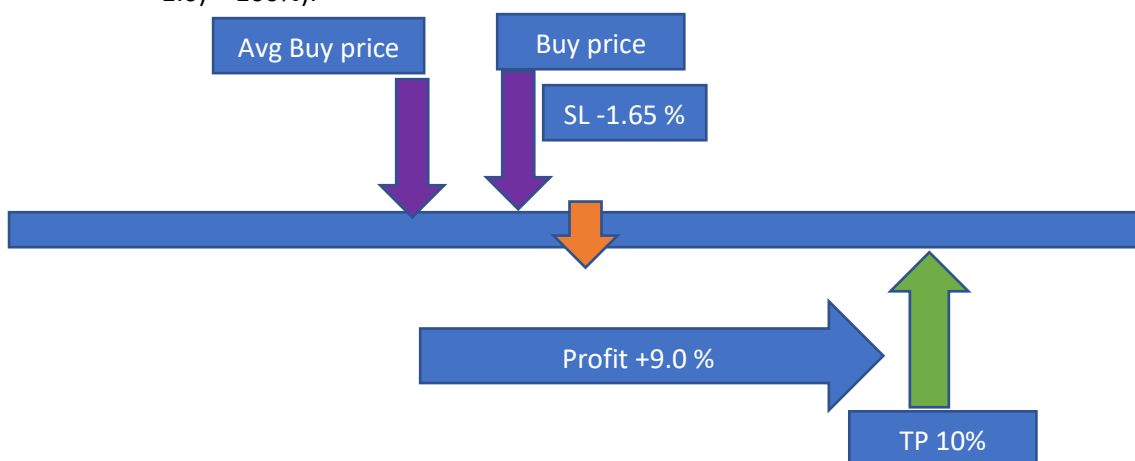
Activatie percentage reached

- Activation of 4% reached (average price \$0.988)
- The SL should start on 2%, which corresponds with an average buy price of \$0.969:
 - Because SL is calculated over base buy price (which is \$1.0), this results in 3.1% ($100\% - (0.969 / 1.0) * 100\%$).



Profit increase

- Activation of 4% was reached, profit increased to 9% (\$1.0355)
- So SL should be moved to 7% (5% increase after activation at 2%), which corresponds with an average buy price of \$1.0165:
 - Because SL is calculated over the buy price, this results in -1.65% ($100\% - (1.0165 / 1.0) * 100\%$).



Conclusion

The last example, with one or more SO's completed, shows the SL percentage can change from positive (3.1%) to negative (-1.65%). This seems confusing and wrong when you do try to match these percentages to the configuration of the bot or logical reasoning.

So, don't do this and keep the (inverted) ranges in mind as explained at the start of this document! The SL range is inverted compared to the TP range, so a decreasing SL percentage is exactly what you want (because it means the TP is increasing).

Completed deals are difficult to analyze because 3C only shows the SL percentage and not its direct (average) price. You will need the exact deal data to perform the calculations by hand and conclude it's correct (as this script will do automatically).