

## Nikpol DTC Dragonpro User Guide.



### Introduction

#### Overview

- The 'Nikpol DTC DRAGONPRO Drawers' from Solid Setup Plus adds the Nikpol DTC DRAGONPRO Drawers with Tilt Adjust to Cabinet Vision.
- Drawers are Silk White, Matt Grey or Matt Black- 40kg
- Heights provided are 80,95,127,178,209 and 238mm
- Depths are 300,350,400,450,500,550,600mm
- This package provides drilling for the drawer box parts, the cabinet ends and the drawer front for CNC output.
- It also adds 3d graphics for the drawer sides, runners, and brackets etc.
- Rollout front types for utilizing Metal, or Melamine fronts is provided.

### Included in This Package

#### Drawer Guide Schedules:

DTC Dragonpro Tilt Wte 40kg  
DTC Dragonpro Tilt Blk 40kg  
DTC Dragonpro Tilt Gry 40kg

Silk White Drawers with 40kg guides – heights - 80-95-127-178-209-238  
Matt Black Drawers with 40kg guides – heights - 80-95-127-178-209-238  
Matt Grey Drawers with 40kg guides – heights - 95-127-178-209

## User Created Standards

The Following UCS's are provided (ensure they are in this order once installed):

Note The following UCS's must be in the order displayed here.

- { DRAWS } -- Nikpol DTC Dragonpro Attributes Adds the Attributes to the drawer backs.
- { DRAWS } -- Nikpol DTC Dragonpro Hole Masking Configures the Drilling values.
- { DRAWS } -- Nikpol DTC Dragonpro Brackets Adds the rollout brackets
- { DRAWS } -- Nikpol DTC Dragonpro Rollout Adds the rollout metal fronts
- { DRAWS } -- Nikpol DTC Dragonpro Bot Holes Adds the bottom holes

## Drawer Boxes

The Following drawer box and Rollout constructions are provided:

- DTC Dragonpro Drawer
- DTC Dragonpro Inner
- DTC Dragonpro Inner\_W (wooden front option)
- We have allowed 3mm depth clearance
- We have allowed for a default rollout setback of 9mm for metal fronts or 20mm for Melamine

## Room Attributes

The Following system attributes are provided:

- "Draw Front Screwon" – True/False

## DTC Dragonpro Usage

### Menu Selections for a Job or Room.

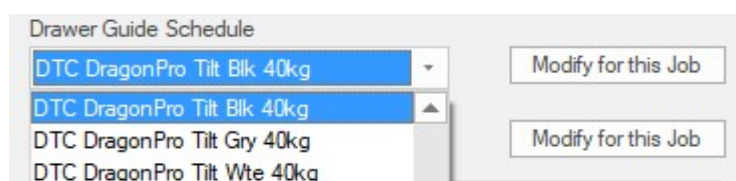
To use the DTC Dragonpro drawers in a job you must make the following selections:

- In the job or room properties the Construction tab should have the **Drawer Box** set to "DTC Dragonpro" and the **Roll Outs** set to "DTC Dragonpro Inner" as shown here:



The screenshot shows two dropdown menus. The first is labeled 'Drawer Box' and has 'Dtc DragonPro Drawer' selected. The second is labeled 'Roll Outs' and has 'Dtc DragonPro Inner' selected. Each dropdown menu has a 'Modify for this Job' button to its right.

- In the Hardware tab, choose one of the DTC Dragonpro guide schedules:



The screenshot shows a dropdown menu titled 'Drawer Guide Schedule'. The menu is open, showing four options: 'DTC DragonPro Tilt Blk 40kg', 'DTC DragonPro Tilt Blk 40kg', 'DTC DragonPro Tilt Gry 40kg', and 'DTC DragonPro Tilt Wte 40kg'. The first two options are highlighted in blue. To the right of the dropdown menu are two 'Modify for this Job' buttons.

- In the Materials tab, you can choose any of the Drawer Box or Roll Out schedules you have set up for other drawers as long as the materials selected are suitable for DTC Dragonpro.

## Menu Selections for a Cabinet.

To use DTC Dragonpro drawers in a cabinet when DTC Dragonpro has **not** been selected in the room or job the Construction, Materials and Hardware tabs for the cabinet in question **must** be set to the same selections as above.

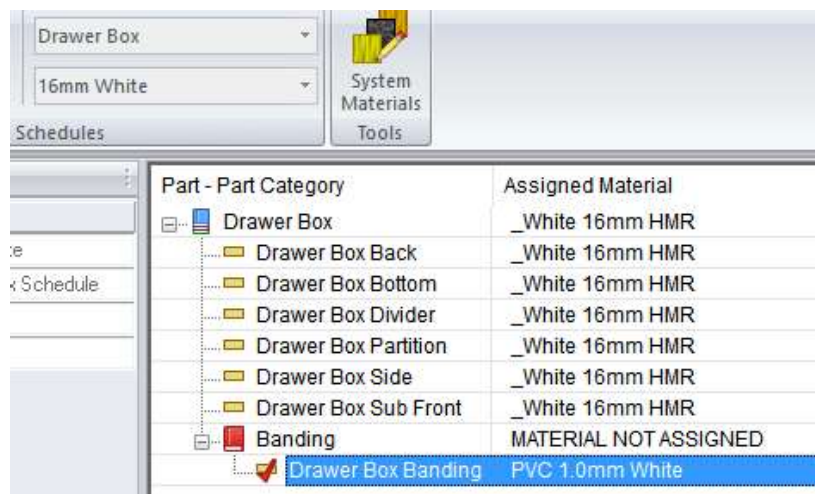
## Menu Selections for one Drawer/Rollout.

To use DTC Dragonpro drawers for one drawer/rollout when DTC Dragonpro has **not** been selected in the cabinet, or you wish to use a DTC Dragonpro drawer/rollout from a different drawer guide schedule.

- Take the cabinet into the cabinet editor, click on the section view, and double click on the drawer/rollout to bring up its Properties menu, and then select the Drawer Box or Rollout Tray tab.
- The Construction tab should be set to “**DTC Dragonpro**” or “**DTC Dragonpro Inner**” if it is not already.
- To Change to a different guide type press the “**change**” button

## Drawer Box Banding Setup

- For the drawer box backs and roll out backs to be banded correctly the selected material schedule for “Drawer Box” and “Roll Out” **must** have a suitable edge banding material selected and the DTC Dragonpro drawer box and rollout construction method must have banding applied to the top of the backs.



Part - Part Category	Assigned Material
Drawer Box	_White 16mm HMR
Drawer Box Back	_White 16mm HMR
Drawer Box Bottom	_White 16mm HMR
Drawer Box Divider	_White 16mm HMR
Drawer Box Partition	_White 16mm HMR
Drawer Box Side	_White 16mm HMR
Drawer Box Sub Front	_White 16mm HMR
Banding	MATERIAL NOT ASSIGNED
Drawer Box Banding	PVC 1.0mm White

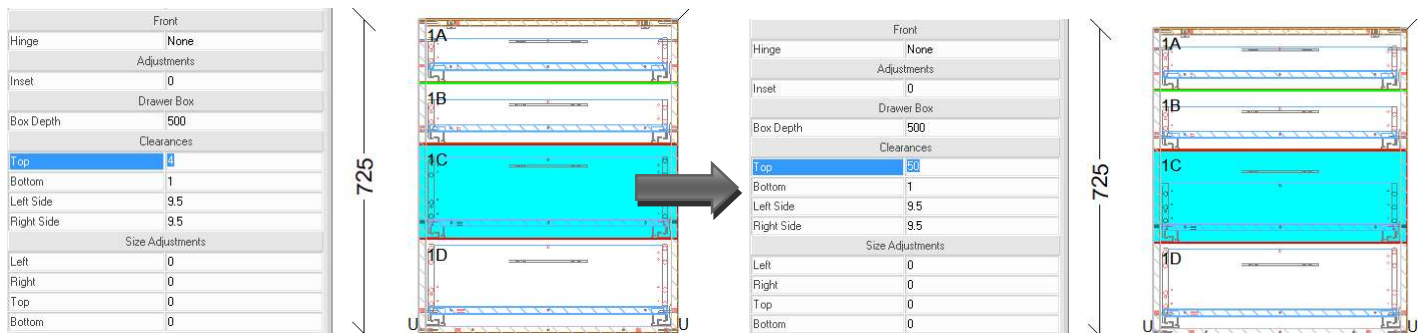
- The material schedules can be edited from the splash screen under the “Main” tab

## Drawer Boxes

### Drawer Box Height Control

When a drawer is first added to a cabinet, Cabinet Vision will always choose the tallest drawer that will fit from the drawer guide schedule, based on the available space.

- The space is determined by the distance between any cabinet or internal parts directly behind the drawer front, minus the drawer guide material top and bottom clearances.
- To select a smaller drawer height, click on the drawer front in the section view.
- Increase the “Top Clearance” in the sidebar until the drawer height you require appears, like this:



- **NOTE:** If you are using a drawer leveling UCS (which moves the top drawer boxes up to match the bottom lip reference of the bottom drawer), this may cause those drawer boxes to interfere with an object above them, whether it be the next drawer front, the cabinets top or top stretcher or a drawer stretcher or some other part which would normally not be in the way.
- This occurs because the leveling UCS is applied **after** the drawer height selection has been calculated.
- To prevent this always check every drawer in the cabinet editor, so you can clearly see any part interference, and reduce the drawer box height using the “Top Clearance” as described above.

### Drawer Box Depth Control

When a drawer is first added to a cabinet, Cabinet Vision will always choose the deepest drawer that will fit from the drawer guide schedule, based on the available space.

- To select a smaller drawer box depth, click on the drawer front in the section view.
- Choose the “Box Depth” from the dropdown list in the sidebar

## Rollouts

### Rollout Height Control

- To add a rollout in the section interior view of the cabinet editor, add a “Split Horz” and then select it and change it to a “Rollout Tray” in the left sidebar. Or use the “Split Multi Horz” function and choose the “Roll-out Tray” button and then press OK.
- **NOTE:** *The actual heights of the inner drawer are slightly more than the above measurements due to the taller front brackets etc. This may cause the inner drawers to interfere with each other or another cabinet part.*
- *To prevent this always check every rollout in the cabinet editor, so you can clearly see any part interference.*
- *The actual overall heights of the rollouts are as follows:*
  1. 84mm for the standard 95 Height Profile
  2. 116mm for the 127
  3. 167mm for the 178

### Rollout Depth Control

- When a rollout is first added to a cabinet, Cabinet Vision will always choose the deepest rollout that will fit from the drawer guide schedule, based on the available space.
- To select a smaller rollout depth, click on the rollout in the section interior view.
- Increase the negative “Depth” adjustment in the sidebar until the size required is selected

### Rollouts with wooden fronts (DTC Dragonpro Inner\_W)

- This Rollout type will not use the Scala metal front piece, but will use a wooden front instead.
- The wooden front size and banding is set in the Roll Out Wizard – Roll Out Front
- Default overhangs are : Sides 35mm(2mm past sides), Top -2mm (2mm above sides)
- You can alter the wizard if you prefer different overhangs.
- The material for the wooden front and its edge banding are set in the Rollout Material Schedule
- The Bottom overhang is set by the UCS which sets the overhang to 23mm below the bottom.

#### Match wooden front material to drawer front material

- To use the same material for the rollout front, as the drawer fronts, you can either create a new Rollout Material Schedule, or modify it at the room/job level.
- To use the same edge banding as the drawer fronts, follow these steps:
  - In the part catalog, click on the Roll Out folder, then the Banding folder, then click New
  - Select one of the available banding names, and enter the description “Roll Out Front Banding” – OK
  - In the Roll Out Wizard – Roll Out Front, select the “Roll Out Front Banding” on all edges of the front
  - In the Roll Out Material Schedule – change the “Roll Out Front Banding” to the same banding as the drawer front banding.
- Change the Roll Out Front material to the same material as the drawer fronts

## Drawer Fronts Screwon

### Room Attribute

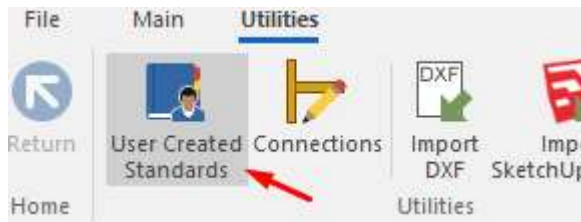
The “Draw Front Screwon” is a Room attribute which will change all the drawer front mounting holes to screw holes and change the front bracket material to the screw mount bracket for reports and ordering purposes.

## Drilling Setup

### UCS Public Variables

There are several Public Variables in the “{ DRAWS } – Nikpol DTC Dragonpro Attributes” UCS.

- To change these variables go to the Utilities – Edit User Created Standards from the Room Plan or Elevation views



- Then click on the “{ DRAWS } – Nikpol DTC Dragonpro Attributes” UCS.
- On the top right hand side of the screen you will see the Public Variables list:

Public Variables	
Box Bottom Depth	5
Box Bottom DIAM	3
Front Knockin Depth	12
Front Knockin DIA	10
Front Screwon Depth	5
Front Screwon DIAM	3
Guide Cabinet Depth	12
Guide Cabinet DIA	5
Box Back Depth	12
Box Back DIAM	3

For the variables, each set of holes has a diameter and depth value:

- Box Bottom** = Holes in the Drawer box or Rollout bottom for the drawer side profiles.
- Front Knockin** = Holes in the Drawer Front for drawer side brackets if Room Attribute “Draw Front Screwon” is False.
- Front Screwon** = Holes in the Drawer Front for drawer side brackets if Room Attribute “Draw Front Screwon” is True.
- Guide Cabinet** = Holes in the Cabinet for the Drawer or Rollout Guides.
- Box Back** = Holes in the Drawer box or Rollout back for the drawer side brackets.

**Note:** To turn off any of the holes if not required, like the box bottom holes for example, set the depth to zero.

Once you have changed these values to your requirements, you can close the UCS editor.

### Tools Required

- The drill diameters you choose in the UCS Public Variables above are all required for this package to work. You must have these tool diameters in your tool catalog and in your machine.

## Package Exclusions

Any other items shown in any images such as cabinet screw holes, benchtop brackets, plastic legs etc are also part of our other packages which are sold separately. See our website for more detailed information on these packages.