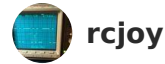


Tap storage box



rcjoy

[VIEW IN BROWSER](#)

updated 23. 3. 2022 | published 23. 3. 2022

Summary

A box to store a set of inch and metric taps



23.30 hrs



4 pcs



0.10 mm
0.30 mm



0.40 mm



PET



505 g



Prusa
MK3/S/S+

[Hobby & Makers](#) > [Organizers](#)

Tags: [box](#) [organizer](#) [gtd](#) [taps](#)

This box is designed to store a specific set of inch and metric taps, where the taps themselves are held within the original plastic container from the manufacturer.

The height of the box allows two taps to be stored per divider location. I use it to store the plug and bottoming styles together.

The dividers are sized to hold the containers used for the Widia GTD brand of spiral flute taps available from McMaster-Carr.

This box is designed to hold the following tap sizes:

#4-40 UNC	1/4"-20 UNC	M3x0.5
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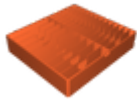
#5-40 UNC	1/4"-28 UNF	M4x0.7
#6-32 UNC	5/16"-18 UNC	M5x0.8
#8-32 UNC	5/16"-24 UNF	M6x1.0
#10-24 UNC	3/8"-16 UNC	M8x1.25
#10-32 UNF	3/8"-24 UNF	M10x1.5
#12-24 UNC	7/16"-14 UNC	M12x1.75
	1/2"-13 UNC	

A Fusion 360 file is included for you to modify as needed for your specific set.

Three #4-40 3/4" long screws and nuts are used as the hinge pins. Use Loctite threadlocker to keep the nuts from coming loose.

Inlays fit in the embossed text and logo in the lid to allow a contrasting color without needing a multi-color 3D printer. Just attach them with CA glue.

Model files



tap_storage_box_tray.stl



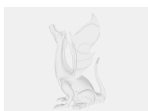
tap_storage_box_lid.stl



tap_storage_box_inlays_taps.stl



tap_storage_box_inlays_gtd.stl



tap-storage-box-v45.f3d

Print files



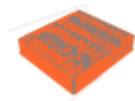
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PET 0.40 mm 0.10 mm 0.03 hrs 1 g Prusa MK3/S/S+



tap_storage_box_inlays_gtd_01mm_petg_mk3s_8m.gcode

PET 0.40 mm 0.10 mm 0.14 hrs 1 g Prusa MK3/S/S+



tap_storage_box_tray_03mm_petg_mk3s_16h7m.gcode

PET 0.40 mm 0.30 mm 16.12 hrs 359 g Prusa MK3/S/S+



tap_storage_box_lid_03mm_petg_mk3s_7h1m.gcode

PET 0.40 mm 0.30 mm 7.01 hrs 144 g Prusa MK3/S/S+

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