



## UWR equipment holders

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### Summary

Brackets for two 22mm stainless steel pipes, to hold UWR ball; Basket bolt holder; Referee signal pipes holder

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Tags: [hook](#) [bracket](#) [shelfbracket](#) [boltholder](#) [uwr](#) [ballshelf](#)

I have designed some upgrades for our box with all my teams UWR equipment.

#### Ball shelf

I have made brackets that hold two 22mm stainless steel pipes which are used as a shelf to hold our UWR balls in our equipment box.

In the .3mf file added extra perimeter around the holes. The holes are  $\varnothing 3\text{mm}$ , I used 3,5x30mm outdoor screws.

Printed in PLA with 0.3Layer height, 3 Perimeters, 10% Grid infill.

#### Basket bolt holder

The basket are fasted to the bottom of the pool with home-made M16 T-bolt.

The 4 holes are  $\varnothing 19\text{mm}$ , spaced 40mm, the backplate is 6mm thick, mount holes are  $\varnothing 4.6\text{mm}$ .

Printed in PLA with 0.3Layer height, 3 Perimeters, 15% Grid infill.

## Referee signal pips

Made some hooks to hold the stainless steel pipe

Printed in PLA with 0.3Layer height, 3 Perimeters, 15% Grid infill, 3mm brim + support.

The backplate is 5mm, and hooks 22mm long, mount holes are 4.6mm.

UWR(UnderWaterRugby) explained:

YT: [PlaySport - Underwater Rugby](#)

YT: [The Straits Times - Breathless magic with underwater rugby](#)

## Model files



**uvr-case\_shelfholder.3mf**

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**uvr-case\_shelfholder.step**

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**uvr-case\_shelfclamp.3mf**

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**uvr-case\_shelfclamp.step**

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**goalboltsholder.3mf**

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**goalboltsholder.step**

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refpipesholer.3mf



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refpipesholer.step

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