

**From:** Bryan Quickmire bdq@challenger.ca  
**Subject:** Wing Tiedown Rings = Marine Boom Bails  
**Date:** March 24, 2020 at 12:40 PM  
**To:** bq challenger bdq@challenger.ca

BQ

The stainless steel tiedown rings for the wings are actually 80mm long marine "Boom Bails".



There are numerous sizes of boom bails! Get them 80mm (3 1/8") long and 65mm (2 1/2") wide with material diameter 6.4mm (1/4") having 2 x 6.6mm (1/4") diameter fixing holes.

The part number is Ronstan RF1045. They are around C\$25 each.

I have sourced them from The Chandlery in Ottawa at 1-800-785-4664 (613-820-7642) or online at:

<https://www.thechandleryonline.com>

[https://www.thechandleryonline.com/product\\_info.php?products\\_id=1973](https://www.thechandleryonline.com/product_info.php?products_id=1973)

Another potential source is Fogh Marine in Toronto at 416-251-0384 (their online shop is not terribly well organized). Alternatively contact your local marine supply store or google the part number to find web sites for online ordering.

Note that when you add the tiedown rings to the front lift strut attach brackets at the front spar you need AN4-27A bolts which are 3/8" longer than the original AN4-24A bolts. Do not re-use the existing AN365-428 nyloc nuts - get new ones! You want at least three threads showing from the nyloc nuts!

If for some reason you were to also add the 80mm tiedown rings to the rear lift strut attach brackets you would need an AN4-26A bolt which is 3/8" longer than the standard AN4-23A.

You can also get a 100mm long Boom Bail for the tail wheel. The part number is Ronstan RF1046. Again you will need a 3/8" longer AN bolt - an AN4-23A to replace the standard AN4-20A.

You can get these bolts from Aircraft Spruce Canada or any other retailer of AN hardware:

<https://www.aircraftspruce.ca/>

Let me know by email or phone if you have any questions or if you would like to discuss any aspect of the Challenger in more detail.

Best regards,  
Bryan

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The shadow of the thing we fear  
is always much bigger than the thing itself...  
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