

AMYA Soling 1 Meter™ Class Quarterly Newsletter

September 2022 Volume 1 Issue 1



AMYA Soling 1 Meter™ Class Secretary Notes

Mike Wyatt, AMYA Soling 1 Meter Class Secretary

A few months ago, Doug Blewitt, with whom I had sailed at the Naples MYC a few years back, contacted me. Doug thought the Soling Class should have a newsletter. Why? Partly because the AMYA magazine - *Model Yachting*- must serve and cover some 35 sanctioned Classes and a separate newsletter allows us to have communication for our Class only.

My response was to agree, and then ask HIM to be the editor. His concerns were that he might not get enough content to fill a newsletter. I assured him that there was plenty of content already existing, from past articles, club publications, and types of articles that had yet to be written.

So- my comments: **The SOLING IS BACK!!**

The numbers: At one time (per George Dornis to me, personally), Victor Model Products (VMP) sold 600 "Soling 1M" boats per year. While 600 a year seems a LOT to us, but in the toy world, that volume is nothing, and not a viable product.

Historically (over the past 25 years) the Soling 1 Meter Class registered about 100 new Solings a year. But many of those 600 sold in the average year were never registered with the AMYA. The number of registrations varied widely, including the several periods of time when VMP was not shipping ANY kits- as George Dornis became more and more ill and eventually passed on, while the company moved from California to Louisiana, and most recently as VMP announced their closure (June 2018), only to retract that plan - and then finally close for good a year later (Sept. 2019). VMP - in legalese - "abandoned the market" for their own reasons after several years of trying to sell the entire business.

After VMP closed, the Class searched for, specified, and approved TWO new manufacturers to produce our boat. **Today:** You can order and receive an AMYA Soling 1 Meter Kit in as little as ten days – about as long as it took to receive a kit from Victor at their peak. Over the last 15 months, when we had two manufacturers, we have registered new boats at a rate of about 100 new boats a year.

Of course, most new sailors start with a used Soling. I don't think we are selling many new boats to new sailors- those with older boats are replacing them. I perceive the demand for NEW boats to be about equal to the number that the two manufacturers want to and can produce.

The Name: It is in the interest of the Class (and therefore the interest of the AMYA) to protect the Soling 1 Meter Class from non-approved manufacturers. I began using the name: **AMYA Soling 1 Meter™** whenever referring to our boat, and with a **TM**- indicating a non-registered trademark on the name. I recommend that all of us and our clubs refer to the boat as the **AMYA Soling 1 Meter™**.

Regattas: the number of Soling regattas has dwindled as clubs have found a hard time getting volunteers. The Covid thing and now the increased costs of everything have not helped. Remember, that all of us are (now) two- three years older than we were in 2020, and we would expect our willingness to travel has become less as well. But- the prediction is a return to normalcy, and maybe that means regatta offerings and attendance as well. But as you and your club consider adding back YOUR regatta; please be careful in managing your costs. Our 2022 NCR at WRMYC is costing us nearly double what the 2018 NCR did.

Regatta host cost increases: Food (lunches, banquet) are 2.5 times in 2022 vs. 18. In 2018 WRMYC wives made our lunches, where in '22 we must buy catered box lunches. This due to Covid cleanliness but also the requirement from our pond host to buy catered food through them. But the catered lunch today is \$ 16, and in 2018 lunches were \$ 6.29. In the **attendees' case** cost is impacted even more- gas, motels and regatta fees. Is lower attendance all because of attendees' cost? Partly, but probably there are other factors- such as the lowered participation of the "average" to new sailors now vs. 4 years ago, and the fact that the sport had a lower rate of growth for the past 2 years.

Class Rules: there are no rules motions this year. That is good- we had a couple of rounds of contentious rules motions over the past few years- the addition of beam and rudder/keel thickness specifications (2018), the change in sail cloth (2020), and the allowing of aluminum rigs in 2021.

The new rigs are gaining wide acceptance. I think the main advantage is the far easier building and assembly of the aluminum rig vs. the wooden ones. The mast is absolutely straight, making it easier to tune (ever try and take out a low permanent bend in a wooden mast?). BUT- I don't think the aluminum rig is any faster. The reason is that it closely matches the bend characteristics of the stock, un-sanded Victor pine mast. I THINK an aluminum rig actually weighs very slightly more than a wooden one- about 20 grams more.

So, here it is: Volume 1/ Issue 1!! I hope you enjoy it. Doug's plan is to release 4 of these a year, in between *Model Yachting* issue publication dates. **Mike**

Hello fellow sailors and welcome to the first edition of a quarterly newsletter for the AMYA Soling 1 Meter™ Class.

doublewitt@comcast.net

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I was asked by Mike Wyatt, Class Secretary, to spearhead this effort for increased communication, education and camaraderie in the class. The AMYA Soling 1 Meter™ Class has a great deal of expertise, which if shared, will assist everyone and lead to growth and participant enjoyment.

Please let me introduce myself with a few details regarding my background. My name is Doug Blewitt and I have sailed with the Naples Model Yacht Club for approximately five-years in the Soling and DF95 classes. I have only sailed locally at Naples, so I do not know many of you beyond the Naples club.

2022 is my 60th year of sailing and racing in several one design classes. In the summer I currently sail a Sabre 28 on Cape Cod Bay, for many years I raced a 16-foot Rebel on an inland Illinois lake and I occasionally race a Sunfish.

The future success of this class newsletter will need help from all members by providing informative articles for fellow sailors on topics that relate to Soling sailing. I thank you in advance for your participation regarding future editions.

In publishing this newsletter, I would like compile articles discussing aspects of sailing that can improve boat handling, boat tuning for improving boat speed, racing rules and tactics, club management to assist in club and class growth and simply having fun sailing (which is why we sail in the first place).

In this edition we have a discussion of the status and health of the AMYA Soling 1 Meter™ Class Association by Mike Wyatt. Also included is a discussion from Doug Rieger regarding the development and construction of the 3DRC Boats' AMYA Soling 1 Meter™. Vac-U-Form Boats was contacted regarding an article of their boat, did not respond to that request, but hopefully they will contribute in future. A discussion by Dick Hedderick is presented (republished from AMYA's Model Yachting) regarding rules and tactics. General AMYA Soling 1 Meter™ Class information is also included as provided by Mike Wyatt.

The AMYA Soling 1 Meter™ Class has a great deal of expertise, which if shared, will assist everyone, lead to class growth and increased participant enjoyment. The success of future newsletters depends on article contributions from all of you.

Below is an outline of possible topics for inclusion in future publications -

- Formal and informal racing programs
- Racing and regatta results
- Methods for encouraging new membership
- Obtaining boats for new members (loaner club boats or resale of boats to new members)
- New sailor instruction (boat handling, tuning and rules and tactics)
- Social events (group lunches, dinners, awards banquet)
- Other topics that may be of interest

I plan to publish the next issue of the Soling Newsletter in January 2023. Kindly submit articles for inclusion as well as suggestions for articles prior to December 2022.

Feel free to contact me with comments and suggestions at:

Email

[douplewitt@comcast.net](mailto:doublewitt@comcast.net)

or cell phone

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The Creation of 3D RC Boats

My name is Doug Rieger and I have been sailing RC boats since 1987, when I was ~~part of~~ assigned AMYA Member #6127. If you had asked me back then what I thought the future of RC boating may entail, I'm not sure I could have fathomed how far the sport has come. And I certainly wouldn't have guessed that 3D printing would become a pivotal technology for us.

But today, my company, 3DRC Boats is one of the class- certified manufacturers of the Soling 1 Meter boat, and it's all possible thanks to 3D CAD and printing/milling.

From the Beginning

I started this manufacturing journey a year before the COVID-19 pandemic began—just tinkering around, trying to come up with some drawings that the class might be able to use some day. But during the pandemic-induced lockdowns, I taught myself how to draw in “**DELFTship**”, a hull form modeling program, and I was able to import my hand drawing into the software. At the same time, I purchased a second-hand 3D printer and taught myself how to 3D print. After many hours drawing and fairing the boat (digitally), I exported the drawings in STL (the file format used for 3D printing) and started printing it in parts. Of course, all along I knew I was going to mold the Soling in polystyrene, using vacuum-forming. But the initial tooling used to make vacuum-forming molds was done in 3D printing.

While I was doing all this, I posted pictures of the progress of the boat and was contacted by the Soling 1 Meter committee to submit to be a class manufacturer. I still had a long way to go, as I had no molds made at that time. I was talking with a friend of mine, and he said he had a CNC machine that he never used and I was welcome to use it if I wanted. So, I taught myself how to generate G code for the CNC process and made the molds for the boat. Again, this took some trial and error, but eventually, I was able to make all the molds needed for the boat.

I knew the next thing that was needed was a kit that was easier to build. So, I came up with a whole new interior using the 3D drawings, incorporating a 3D-printed keel trunk, bulkhead, servo board and battery tray into one part. This part went through some changes along the way to improve the placement and structure of the components of the part. I was also able to improve on the aft structural member and rudder support - designed so that it made aligning the rudder with the keel more structurally sound and precise. Using these parts saved weight and met my goal of creating an easier build without sacrificing precision or weight.

After sharing this with the committee, and getting the boat certified, they determined they wanted a full kit (hull parts, mast, sails and fittings). I tried to find a source for the mast but was unable to do so. At the same

time, Chuck Millican was trying to get the aluminum mast passed through the class and was met with **Class** apprehension. (The aluminum rig motion actually failed the first time- ed.)

But the idea was planted and I knew that this was the way to go, so I started to experiment with an aluminum mast and found that it did not make any advantages to the performance of the boat. What it did do was make the build much simpler. So, I wrote up the proposal to submit for a vote to keep the class alive and have a full kit available.

Fast forward to today, I have approximately 3000 hours in producing a kit that is much easier to build and sails truer than ever before. I have sold more than 100 boats and hope to be able to continue this for some time.

Technical Considerations

If you build a 3D RC Boats Soling 1 Meter, you should easily be able to **fill** a keel at 7lb or more without modifying the kit as per the Class Rules. When I pour a keel, I use 6lb 4oz of #9 lead shot and 8oz of epoxy, and the keels will come out around 7lb 1.5oz. That means you will get close to a 10lb boat when finished. I would not be afraid to have a slightly heavier boat—say 10lb 3.5oz—it will still sail great.

At this time, I am able to sell full kits. One of the kits we sell is an “almost-ready-to-sail” hull, and we also offer a you-build-it kit of parts.

One thing to note when ordering a kit is that I will need to know what rudder servo you will be using. For the sail servo, the 3DRC kit will only be able to use a standard size servo. Older sail servos like the HS-815BB or the HS-755/765 will not fit in the servo board. If needed, I offer standard size, high torque servos for the boat you can purchase. One option is a sail servo that has 400 inch/oz of torque (DS3235sg). And among your choices of rudder servos is the “bullet proof” Futaba S3003 or a PS-1171mg micro servo. If you buy both servos, I will include a 3D-printed sail arm.

You can also order a mast kit with or without sails. The mast kit comes with all the fittings needed including the mast and booms. The assembly time is about 1 hour and the results are impressive. At the end of your build, you will have a reliable and cutting-edge boat that you can be proud of!!

What the Future Holds

Similar to how I felt in 1987 as a beginner RC sailor, it's hard to guess what the future may hold for RC boating technology. I know that there is more that can be done to the kit. But thinking back to my early days of RC sailing, I determined that it was important to keep the kit simple so that we can get the beginner sailor started—we all have to begin somewhere. Keeping the price point down and making it easy to build are key factors for those at the start of their journey. And the best part is, when they're done building, they'll have a competitive boat that will grow with their skills. This means we can keep this sport alive and well for generations to come.

If you have any questions about the process, the technical aspects, or how to purchase a kit for yourself, I'd love to hear from you. Contact me at sales@3DRCBoats.com.

AMYA Soling 1 Meter™ Kits

The following presents kit options offered by 3DRC and were taken from the hull instruction instructions. These Instructions can be obtained from 3DRC (sales@3DRCBoats.com).

Kit Options:

1. **Assembled Ready to Race Hull:** lower boat - hull with deck and transom installed. Hatch cover and gasket. 3D printed keel trunk Assembly, battery shelf and rudder housing, assembled keel shell (NO ballast), keel spar and bolt, wing nut. Resin cast rudder with installed stainless shaft. Also includes deck hardware, 14" rudder rod, rudder tiller arm, instructions.

You need a rig and servos, electronics, plus lead shot ballast, epoxies, sandpaper and paint.

2. **Aluminum Spar and Sails:** Includes shaped aluminum mast w/sail luff groove, aluminum jib and main booms. 3D printed: end parts for booms, gooseneck, mast jack/base fitting, masthead fitting for crane, sheet connectors. Includes: screw type boom vang, aluminum mast crane, cast metal jib head connector, screws and hardware.

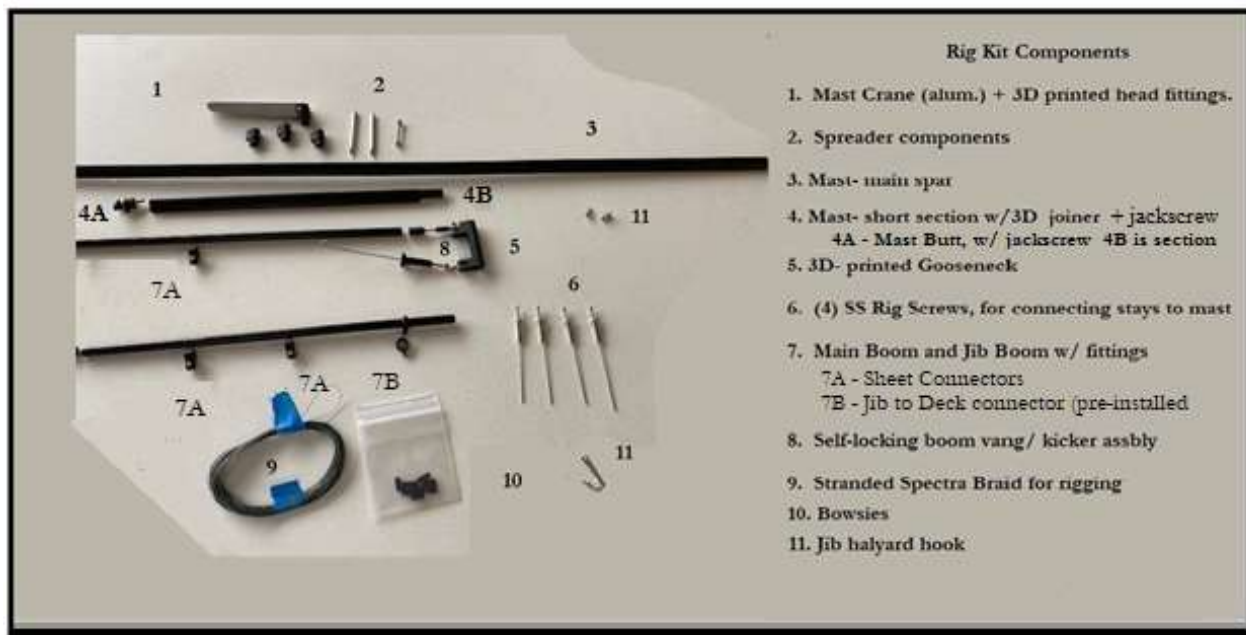
Sails: Polyester scrim-reinforced Mainsail w/slides affixed and Sail Emblem, battens. Polyester scrim-reinforced jib w/ high strength synthetic luff line and battens. 100# test 4-strand synthetic line for rigging, four stainless steel threaded turnbuckles for a double-shroud rig.

3. **Aluminum Spar Kit:** NO SAILS, everything in **Aluminum Spar and Sails Kit** above except sails.
4. **Keel Ready Filled:** ballasted using epoxy and NEW #9 lead shot, to 7.0 – 7.2 lbs (you can request less or more weight w/ order). (Subject to availability.)
5. **AMYA Soling 1 Meter Servo:** 330 oz/in. torque digital, waterproof Sail Servo, 40+ oz/in. torque analog Rudder Servo and 3D printed Sail Arm.

3DRC AMYC Soling 1 Meter™ Rig Kit Parts

Note: The following presents a summary from "Instructions Rigging and Sails" Published by 3DRC. The full set of instructions can be obtained from 3DRC (sales@3DRCBoats.com).

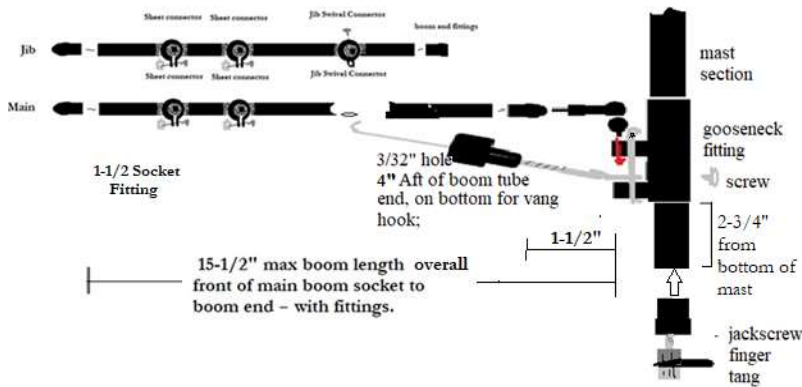
The 3DRC rig kit includes 3D-printed as well as components sourced from throughout the hobby industry.



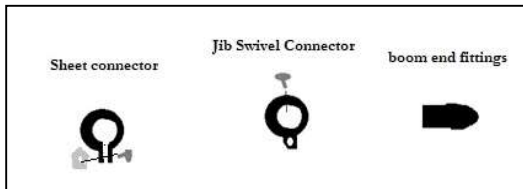
Parts List- 3DRC AMYA Soling 1 Meter™ Rig Kit

Item	Brand/ SKU	Tech Info
Boom connectors (3)- + 1 screwed in place on jib boom	3DRC	3DRC 3D printed proprietary; carbon-filled
Boom end fittings (4)	3DRC Proprietary; carbon-filled	3DRC 3D printed proprietary; carbon-filled
Boom end fittings- aft (w/holes) for outhauls (2)	3DRC Proprietary; carbon-filled	3DRC 3D printed proprietary; carbon-filled
Boom Vang (kicker)	Sails Etc.	SP-KSCOMP
Bowsies (8)	Varius	Plastic
Eye Screws (10)	Varius	Eye screws trade size 214, 5/64" Dia./ 1/8" eye- 3/4" long
Gooseneck	3DRC	3DRC 3D printed proprietary; carbon-filled
Jib boom (15")	3DRC	7075 aluminum tube
Jib Halyard Hook	Sails Etc.	087G Laser etched metal w/SS split ring
Main boom ball and socket fitting with threaded rod	DuBro 884	4-40 Ball and plastic socket come as pair; plus added 4-40 threaded rod
Mainsail boom (14-1/2")	3DRC	7075 aluminum tube
Mast – main spar	3DRC	3DRC proprietary Gold anodized 6061 aluminum extrusion
Mast – short w/joiner	3DRC	3DRC proprietary Gold anodized 6061 aluminum extrusion
Mast Crane	3DRC	aluminum
Mast Butt 3D printed part.	3DRC	3DRC w/ stainless steel screw and thumb tang
Rigging – shroud line 50'	PowerPro 100#	Power Pro 100# test "Spectra" 4-braid .018" diameter # 21101000150E
Rigging- Sheet line	Power Pro 100#	Power Pro or equivalent 40# test "Spectra" braid .012"
Sheet exit fittings	3DRC	3DRC 3D printed proprietary; carbon-filled nylon
Spreaders	3DRC	Stainless. 2-56 threaded
Turnbuckles	Various	Stainless self-locking turnbuckles
Rigging Line	PowerPro 100#	Shrouds and stays as well as sheets and adjustment lines

Schematic of AMYA Soling 1 Meter™ Aluminum Mast and Rigging

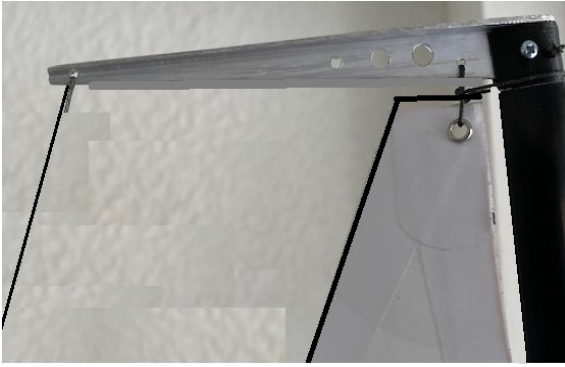


Closeup of Boom Fittings



Aluminum Rig Steps Simplified (rig kit as available from 3DRC)	
1.	Plug the mast sections together (shorter one either as lower section or as top section) using a (pre-installed) mast slug, then run a #2 screw in the pre-drilled hole in the front of the mast.
2.	Sand the supplied aluminum mast crane and seal w/ clear polyurethane, clear acrylic, even clear nail polish, or oil enamel.
3.	Insert the mast head plug, and the mast crane. Add a #2 screw in the pre-drilled holes.
4.	Slide the included gooseneck assembly onto the mast, cotter pin the boom vang to the gooseneck.
5.	Tie knots in the 100# test Spectra braided line. Tie line to the supplied SS turnbuckle rigging screws. Make a backstay using the line and bowsies supplied.
6.	Assemble the jib boom, using fittings supplied.
7.	Assemble the mainsail boom, using fittings supplied. Slide on 3D printed fittings replace the eye screws used on the main and jib booms
8.	Tie the jib to the jib boom, add the outhaul using the bowsies supplied, rig the jib clew and the jib boom loops. Tie on the jib swivel loop using the line supplied.
9.	Rig the jib stay and cloth (uphaul) adjusters. Use your Exacto knife to open a split ring (supplied) and attach to the "S Hook" supplied; make adjustable loop headstay and jib cloth tensioner using bowsies through the S-Hook.
10.	Stand the mast up vertical on the deck, hooking the jib swivel line in the middle bow hook, hooking the backstay, the four turnbuckles. Adjust the bowsies so that the measurement from the top of the mast crane to the turn of the deck is 53". You will set this more precisely later.
11.	Assuming you have a mainsail w/ mast slide, as included in the 3DRC Rig Kit, w/ the masthead fitting removed, slide the main from the top of the mast into the mast groove. Tie the mainsail head at 51-1/4" above the deck. Re-install the mast head fitting/ crane, and lock in place w/ #2 screw.
12.	Hang the mainsail 1/16" below the mast crane using the line in the kit. .
13.	After hanging the mainsail, position the gooseneck 2-3/4" above the mast butt., and run a #4 X 3/8 screw into the pre-drilled hole in the front of the mast to lock the gooseneck in place.
14.	Make a mainsail downhaul, tying the mainsail clew through the gooseneck/vang cotter pin.
15.	Make line loops through the mainsail head grommet, and the clew grommet, around the mast, tie with a square of surgeons' knot. These restrain the movement of the sail away from the mast under wind and outhaul tension.
16.	Add 1" loops through the aft Main boom and aft Jib boom fittings, add fishing clips that connect sheets to the booms. Run sail outhauls through the vertical holes on the jib and main boom end fittings, and lead through openings in the boom fittings, w/ bowsie adjusters. See Pic

Details of Mast Crane



Details of Gooseneck

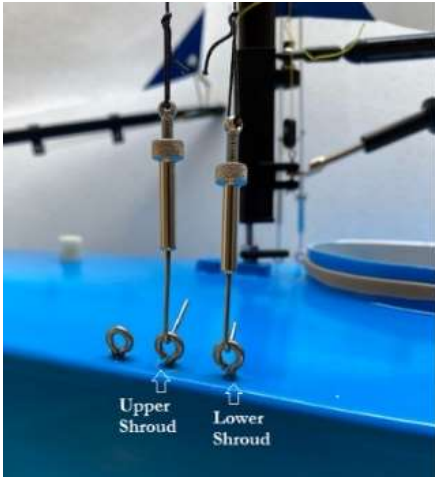


Detail of Spreader



Detail of Mast Cross Section

Details of Chain Plate (2 eyescrews in kit)

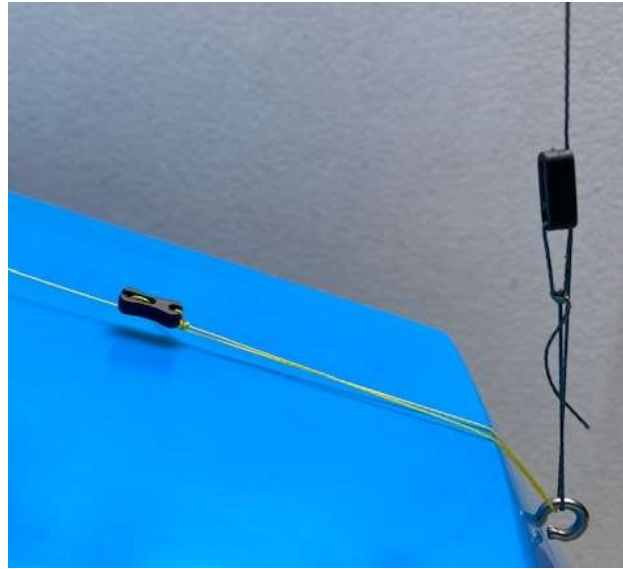
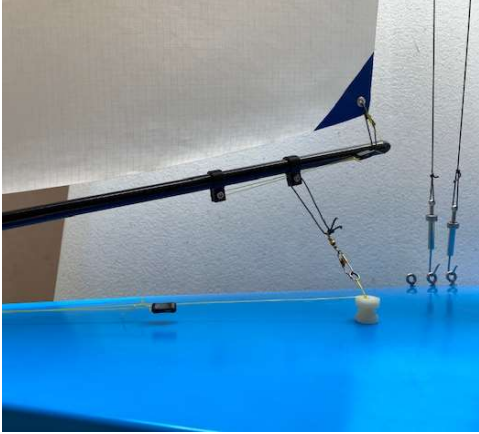


Details of Goose Neck, Boom Vang, and Downhaul



Details of Mainsheet and Backstay Adjustment

Details of Jib Boom Detail: note "Sail Sling"
Line Loop Supports the Weight of the Boom



R/C Sailboat Racing in a One Design Fleet Strategy First, Then Tactics

by Richard Hedderick

R/C sailboat racing is becoming an increasingly popular sport. With the development and commercialization of reasonably priced, fast, one design boats like the DragonForce 65 and DragonFlite 95, racing seems to have reached a new level. Many skippers are participating in the sport. Furthermore, great class leadership has insured that the boats are indeed raced as one design with identical speed characteristics. Now we have one design boats with identical speed potential, sailed by good, experienced skippers. So, now you have a fast RC boat that is well tuned, and you can sail it well. The fleet includes many great racing skippers. How do you do well in races and Regattas? You need to have a good strategy and to employ good tactics.

DEVELOP A STRATEGY FIRST

What is STRATEGY? Think of strategy as the way you would sail the racecourse as quickly as possible *in the absence* of all other boats. In other words, how do you get the boat across the start line, around the course, and to the finish line in the least amount of time. A strategy should be developed before each race.

Here are some examples of STRATEGY:

- Where on the line do I want to start?
- Which tack do I want to be on at the start?
- Where are the parts of the course to avoid (for example, due to wind shadows)?
- How do I want to approach the 1st windward mark?
- How do I take advantage of wind shifts?
- What is the fastest course downwind?

Think though and develop your strategy. Then, before any races begin, try out your strategy on the water many times. Start where you want and sail up to the first mark. How did that go? Did you run across a bad wind shadow that you need



Figure 1. At the start.

to avoid? Adjust your strategy and try it again. Try starting at a couple of different places on the line. After several runs around the course you will get confident with your strategy. Many top skippers go to the lake early, well before racing is to start, in order to have time to develop and test their strategy.

THEN TACTICS

TACTICS are actions you need to take because there are other boats on the course. You often cannot sail your preferred strategy because other boats are trying to sail the same course you are. Or other boats are just in the way. Tactics come in to play a lot at the start, because that is when most boats are close together.

Here are some good examples of TACTICS at the start:

- Always have your boat moving fast at the start. Fast and a bit late at the start is always better than early and slow. You want to try to "blast away" from most of the boats at the start. Being fast at the start and not over early requires lots of practice.

- Start just away from the crowd. Many boats will be trying to start at the same place. Try to find a "hole" where you can get clear air. Many boats sailing close together are always slower than one boat sailing by itself.
- At all costs avoid contact with another boat. Contact is SLOW. And then, there goes the fleet ahead of you.

After the start, put your mind back to your preplanned strategy. Work the boat for speed. Where is the next wind shift? How can I now approach the 1st mark the way I want? How can I avoid those "wind shadows"? Try to sail the race the way YOU want to. Don't get distracted too much by other boats. As you go about sailing the course the way YOU want to, tactics will still come into play, because there are other boats on the course.

Here are some good TACTICS after the start:

- Don't race other boats. If another boat gets a puff and seems to be faster, let him go. It is just one boat. If you start luffing another boat, the whole fleet may pass you by. Remember, you are racing the whole fleet, not just that one boat. This is not a "match race".

Soling News
Mike Wyatt

The **2023 AMYA Soling 1 Meter™ National Championship Regatta** will be held (following the '23 Micro Magic NCR) hosted by the Sun Coast Model Sailing Club in Punta Gorda, FL. Dates are:

February 7, 2023 - (arrival and MM measurement), MM NCR- racing Wed. Feb. 8-9.

February 10 - S1M NCR- February 10 (arrival and MM measurement, followed PM by racing), and **Feb. 11-12.** Watch for the NOR!!!

We are actively seeking hosts for Regional Championship Regattas to be held in **2023!!**

2023 Region 1 Regional Championship Regattas

- **Region 2 Regional Championship Regatta**
- **Region 3 Regional Championship Regatta**
- **Region 4 Regional Championship Regatta**
- **Region 5 Regional Championship Regatta CAN include Canadian venues!**
- **Region 6 Regional Championship Regatta**
- **Region 7 Regional Championship Regatta**

2024 National Championship Regatta Most recently: 2023- Region 7; 2022- Region 4; 2021- Region 7; 2020- Canceled/ Covid; 2019- Region 7; 2018- Region 4

All the RCR and NCR events (where AMYA Membership is required) qualify for an **AMYA Stipend**. And, a **\$ 200 Class Stipend** as well. Use this money to add activities to your Regional Championship Regatta!! A better group dinner, even a cash "pre-bate" AT a regatta dinner where everyone pays his/her own bill. People feel good when a regatta hands out \$20 bills at the dinner!!

Also- holding a RCR with another Class (like the Micro Magic recently) builds your attendance, spreads the fixed costs. And—there is nothing wrong with making a modest profit on a regatta!! There are after all TWO reasons to hold regattas: (1) To give your club Members a chance to participate in something that they might come to enjoy, and (2) to make a profit for your club's operations.

Make your club's hosting known early!! I have plans, spreadsheets, etc. of how. Mike Wyatt

Sample Soling Club Brochure which can be modified to meet your club's needs.
 Please send changes needed for your specific club to Mike Wyatt Club Secretary
 (mikewyatt49@gmail.com)

AMYA Soling 1 Meter™
 RC sailboats
 See the American Model Association:
 (AMYA— www.theamya.org)

- Build a brand-new boat in about 12 hours (with modeling experience – as little as 5 hours!) (plus painting)
- Durable aluminum rigs OR beautiful wooden ones!
- Low time and cash commitment.
- Long life, easily repaired.
- Use commonly-available (not one source!) electronics and parts from your local hobby shop.
- Friends, casual social events

Two currently approved manufacturers:

3DRC Boats 

sales@3drcboats.com
 1-440-610-9542 Doug Rieger
<http://3drcboats.com>

Vac-U-Boat

philpace@vac-u-boat.com
 Phil Pace
<http://www.vac-u-boat.com/>

™ "AMYA Soling 1 Meter" is a trademark /selling mark of the American Model Yachting Assn. (AMYA)



Visit: www.theamya.org
 the national organization of Model Sailors.
 FREE Trial Membership available.



POINTS HIGH



SURF UP!!



Soling 1 Meters are now, and have always been, proudly Made in the USA!

The AMYA Soling 1 Meter is a low-cost, kit based one-design sailboat class targeted toward getting new skippers and hobbyists involved in model yachting.

The Soling Class was introduced to the AMYA in 1993. Since that time it has moved past being a "beginner's boat" to become one of the largest classes in the AMYA, with over 13000 kits sold, and some 4000 boats currently registered. These sailors appreciate the fine sailing qualities and durability of their Solings.

- **Points high** into the wind
- **Full bow** resists "submarining" off the wind, unlike many narrower, lighter boats which have taller sail plans
- **8" draft** lead/epoxy-filled fin keel catches fewer weeds and puts less stress on the hull than a fin and bulb keel on other boats
- **One sail plan:** no multiple rigs, and their extra (\$100+ each!) cost.

And... she looks like a proper boat!

As of 2022, 70 USA and Canadian Clubs list the Soling 1 Meter as one or the only boat that the Club supports.

One-design: All aspects related to performance are intended to be restricted to what can be achieved by building the kit straight from the manufacturer's instructions.

Only two manufacturers are approved in the Class: 3DRC Boats and Vac-U-Boats. A limited number of Victor Model Products Soling kits (those produced up to 2019) are also available and allowed in the Class from private owners.

Soling 1 Meter™ RC Sailing Yachts

Soling 1 Meter model yachts are 40” long models, weighing min. 10 lbs.

Specifications:

Length: 1 Meter/ 39-3/8”
Weight: Min. 10 lbs.
Mast Height: 52” above deck
Total height: 65” rigged
Sail Area: 592 sq. in.



<http://www.orgsites.com/oh/western-reserve-model-yacht-club/>

Western Reserve Model Yacht Club Sailing at SPIRE Institute I-90 Exit 218, at Route 534 Geneva OH

Month	Regularly Scheduled Events
January - March	ZOOM Build Clinics– get coaching on your kit build– see www.wrmyc.org for locations and dates.
Club Racing	RC Model Club Sailing race Soling 1 Meters on: The 2nd, 4th, 5th Sats. In April—October From 12:00 Noon– 2:30 PM & Tuesdays - 4:30—7:30 PM See www.wrmyc.org
Regattas	WRMYC Annual Open or Major Championship Regatta Weekends one per each Sept.—Oct.
November	Holiday Awards Dinner

CONTACTS:
Commodore: Rick Lawler 440-413-2042 ricklawler427@gmail.com
Vice Commodore: Doug Rieger 440-610-9488 sales@3DRCBoats.com

FUEL YOUR PASSION
 See us at SPIRE!!
 5201 Spire Circle,
 Geneva, OH 44041
 Coordinates:
 41°46'26"N 80°56'24"W

AMYA Soling 1 Meter™ RC sailboat

™ “AMYA Soling 1 Meter” is a trademark selling mark of the American Model Yachting Assn. (AMYA)



- Easy Build
- Over 70 USA clubs race Solings
- Local club
- Great sailing boat
- **Fun!!**



**Local: Western Reserve
Model Yacht Club**

www.wrmyc.org