

BAJA SAE ROLL CAGE TRACEABILITY SHEET

2025 BAJA SAE COMPETITIONS

SCHOOL NAME Withywindle University TEAM NAME Hobbits On Wheels

This Roll Cage will be competing in:

- | | |
|---|------------------------|
| <input type="checkbox"/> BAJA SAE Arizona | Car Number: _____ |
| <input checked="" type="checkbox"/> BAJA SAE Maryland | Car Number: <u>321</u> |
| <input type="checkbox"/> BAJA SAE Carolina | Car Number: _____ |

If a **Team** is competing with different roll cages at different events, submit additional documentation packages via the Rules Portal

The Traceability & Technical sheet MUST be completed and submitted in accordance with the competition rules. Failure to do so will result in penalty.

Purpose: The purpose of this sheet is to facilitate verification of roll cage materials/construction, and to provide a means of tracking the age of older vehicles. This is being done in the interest of good engineering practice and confirming the fabrication techniques of the team.

History: This roll cage

- ☐ Was completely manufactured in the 2025 Academic Year
- ☐ Was manufactured in a previous Academic Year and no modifications have been made
- ☒ Was manufactured in a previous Academic Year with modifications made in the 2025 Academic Year

Elaborate on previous manufacturing history (if applicable)

All previous Roll Cage approval packages must be attached to the end of this submission

Roll Cage initially manufactured for 2019 season. Roll Cage aft of RRH replaced for 2022 season using material purchased in 2021. No changes have been made since that time.

CAPTAIN: Bring Signed Copy ADVISOR: Bring Signed Copy
(INITIALS)

BAJA SAE ROLL CAGE TECHNICAL SHEET

2025 BAJA SAE COMPETITIONS

SCHOOL NAME Withywindle University TEAM NAME Hobbits On Wheels

Primary Material Type	OD	Thick-ness	Material Type <u>Minimum</u> Yield Strength	Invoice Date	Qty purchased
1018	4.563in	2.28in (solid)	365 MPa	1/24/22	60 ft

Welder	Welding Method	Filler Material	Shielding Gas
Tom Bombadil	GTAW	ER705-2	100% Argon

All welds and/or other attachment methods must be checked for integrity. Faculty advisor and team captain are required to do destructive testing on sample joints that represent the integrity of similar welds on their frame. Testing and inspection must occur before roll cage fabrication is started.

Date of inspection: January xx, 20XX

NOTE: It is extremely important that such an inspection be made to ensure the welds have good penetration and joints are completely welded.

WE HAVE EXAMINED THE ABOVE INFORMATION AND TO THE BEST OF OUR

TEAM CAPTAIN: Bring Signed Copy Bring Signed Copy
(SIGNATURE) (DATE)

FACULTY ADVISOR: Bring Signed Copy Bring Signed Copy
(SIGNATURE) (DATE)

*Bring a signed and completed copy of this form with you to technical inspection
FOR EACH COMPETITION your team is entering.*

BAJA SAE Professional Fabrication and Manufacturing 2025 BAJA SAE COMPETITIONS

SCHOOL NAME Withywindle University TEAM NAME Winners

This sheet **MUST** be completed and submitted in accordance with the competition rules.
Failure to do so will result in penalty.

Purpose: The purpose of this sheet is for the teams to declare any and all frame members that were professionally fabricated and or professionally welded.

1. Tubes professionally fabricated (cut, bent, or notched)? **Yes** No (Circle answer, if no question 2 can be skipped)

Please mark each tube that was professionally fabricated.

RRH ☒ RHO ☒ FBM ☐ ALC ☒ BLC ☒ CLC ☒ DLC ☒ FLC ☒ LFS ☒

LDB ☐ SIM ☐ FAB ☐ USM ☐ RLC ☐

2. Mark the equipment that the team does not have access to use for frame fabrication that required them to outsource the component?

Tube Bender ☒ Tube Notching/Radiusing Equipment ☐ Tube Angle/Straight Cut Equipment ☐

3. Were any weld joints on the frame professionally welded? **Yes** No (Circle answer)

If yes, please answer the following questions.

Number of joints professionally welded: _____

Name of Welder: _____

**WE HAVE EXAMINED THE ABOVE INFORMATION AND TO THE BEST OF OUR
KNOWLEDGE DEEM IT TO BE ACCURATE.**

TEAM CAPTAIN: Bring Signed Copy
(SIGNATURE)

Bring Signed Copy
(DATE)

FACULTY ADVISOR: Bring Signed Copy
(SIGNATURE)

Bring Signed Copy
(DATE)

**Bring a signed and completed copy of this form with you to technical inspection
FOR EACH COMPETITION your team is entering.**