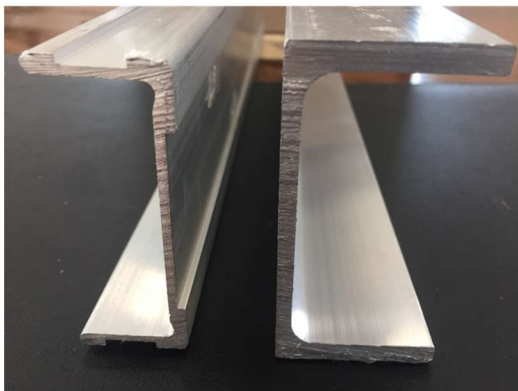


Specifying High Quality in an Aluminum Fixed Ladder Design

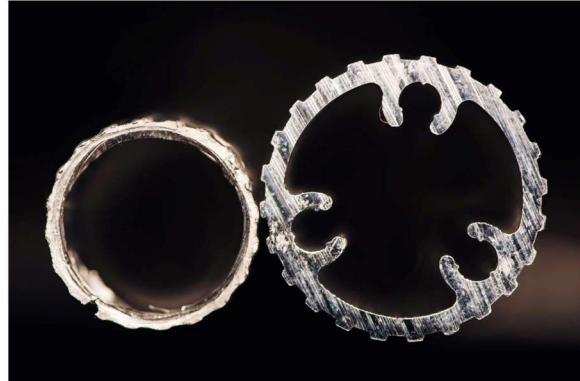
Ascend Fabrication fabricates the heaviest, most stringent designed “aluminum fixed ladder” available in the marketplace for building, structure and municipal access applications. Their component assemblies are unmatched in both service quality and field aesthetics compared to competitor products.

In the industry today, a flood of imported light construction aluminum ladder products are being promoted in online shopping ads. In most cases these products represent inferior light designs that are promoted and sold under American brand names. When you consider that low quality ladder designs are comparably priced with high quality fixed ladder designs made in the USA, there is no reason to ever purchase an inferior design ladder product. Clever marketing does not replace stringent quality requirements in aluminum fabrication. Under engineering review, a ladder section of both an Ascend Fab and a competitor ladder product were cut for a cross-section review. The findings are highly visible:

STRINGER REVIEW: As an example, consider the ladder stringer designs shown below. (The ladder stringer sections are the sides of a ladder that the rungs attach to.) The Ascend ladder stringer is structural C3 x 1.50” x .130”, 6005-T5 material. The competitor ladder stringer design on the left is a C shaped extrusion that is half the weight and thickness. If you are specifying a fixed caged ladder, do you want the light ladder stringer design or the heavy stringer design, when both products are comparable in price?



The Ascend channel stringer is shown on the right. Competitor stringer design is shown on the left.



The Ascend proprietary rung extrusion is shown on the right. Competitor rung design is shown on the left.

RUNG REVIEW: As another example, let's move onto the rung design. The light-weight ladder rung depicted above on the left is half the size and weight of the Ascend rung design shown on the right. The Ascend rung is a 1.5" diameter proprietary extrusion rung design, with a non-slip surface per OSHA requirements. The same question remains. If you are specifying or purchasing a fixed ladder, do you want a light rung design or a heavier rung design that is also larger in diameter? In climbing any OSHA approved safety ladder with or without a cage, the preferred rung size is 1.5" diameter.

These are just two examples of quality in design and fabrication that translates into superior field performance and aesthetics in the field. When high quality materials are utilized in aluminum fabrication, the ladder components are easily recognized as superior both in the shop and in the field.



Ascend heavy designed fixed aluminum ladders are unmatched in the industry and can be purchased directly from the manufacturer at pricing competitive with lower quality ladder products.

When you understand component assemblies associated with wall mount ladders, fixed ladders, fixed caged ladders, exterior building ladders, access ladders and OSHA approved ladders, the right choice to specify is "Fixed Ladders" from Ascend Fabrication.

Component Descriptions:

1. Materials:
 - a. Aluminum shapes 6061-T6 or 6005-T5 unless otherwise noted
2. Stringers
 - a. C3 x 1.50" x .130", 6005-T5
3. Rungs
 - a. 1.5" diameter extruded pipe rungs, non-slip per OSHA
4. Cage Systems

- a. Lower Flared Hoop
 - i. 3" x .25" flat bar, 3003 aluminum
- b. Mid Hoop
 - i. 3" x .25" flat bar, 3003 aluminum
- c. Upper Hoops (2)
 - i. 3" x .25" flat bar, 3003 aluminum
- d. Vertical Bars
 - i. 1.5" x .19" flat bar, 3003 aluminum
- 5. Brackets
 - a. 4" x .25"; 4" x .375" aluminum flat bar or A36 carbon steel depending on size and attachment
- 6. Platforms
 - a. Frame
 - i. C6 x 1.92" x .200", 6005-T5
 - b. Walking Surface
 - i. 1.25" Swage Locked Grooved I-Bar grating, 6063-T6
- 7. Guardrail
 - a. Posts
 - i. L3 x 3" x .25", 6005-T5
 - b. Rails
 - i. 1.5" diameter sch. 40 pipe, 6005-T5
 - c. Toe-board
 - i. 4" x .25" flat bar, 6005-T5
- 8. Hardware
 - a. 304 stainless steel
- 9. Optional Accessories
 - a. Rest platforms, cage assemblies, hoop lockout, security doors, guardrail extensions, parapet platforms, and other.

In the marketplace, only one company is supplying the "best caged ladder designs" at pricing competitive with lower quality and import products, and it is all manufactured in the USA. Ascend Fab fixed aluminum ladders will never require painting and will stand the test of time as a long-life product. Pricing is available online for both caged and uncaged ladder sizes ranging from 10' up to 150' in height. In many cases, Ascend Fab stocks standard ladder sizes that are available for prompt shipment.

On your next project contact Ascend Fabrication, located in Garfield, AR, for all of your fixed ladder needs!