



CROSSOVER SYSTEMS



LAPEYRE  STAIR

 www.lapeyrestair.com

How to choose the best stair for your application

MORE SPACE? CHOOSE STANDARD STAIRS

Choose standard stair crossover systems if your application does not have any space restrictions. They require more space to install than alternating tread stairs but they are also the most comfortable to use.

LESS SPACE? CHOOSE ALTERNATING TREAD STAIRS

If space is limited in your application, choose alternating tread stairs. 68 degree alternating tread stairs require the least amount of space but the steeper angle is less comfortable to use. The less steep slope of 56 degree alternating tread stairs is requires less space than standard stairs and is more comfortable to use than 68 degree alternating tread stairs.

WHAT DOES OSHA SAY?

OSHA classifies alternating tread stairs (alternating tread devices) as non-standard stairs and states they are acceptable to use in applications where it is not feasible to use standard stairs. §1910.25(b)(8)

| DIMENSIONS OF THE OBSTACLE YOU NEED TO CLEAR (HEIGHT X LENGTH) | ALTERNATING TREAD STAIRS | | STANDARD STAIRS |
|--|--|----------------------------|-------------------------|
| | 68° | 56° | |
| | REQUIRES THE LEAST AMOUNT OF SPACE | MORE COMFORT IN LESS SPACE | MOST COMFORTABLE TO USE |
| | OVERALL LENGTH OF THE CROSSOVER SYSTEMS THAT MEET YOUR CLEARANCE REQUIREMENT | | |
| 42" X 24" | 70" | 90" | 106" |
| 42" X 48" | 94" | 114" | 130" |
| 48" X 24" | 75" | 98" | 126" |
| 48" X 48" | 99" | 122" | 150" |
| 54" X 24" | 80" | 106" | 128" |
| 54" X 48" | 110" | 136" | 158" |
| 60" X 24" | 84" | 113" | 144" |
| 60" X 48" | 108" | 137" | 168" |
| 66" X 24" | 89" | 122" | 146" |
| 66" X 48" | 113" | 146" | 170" |
| 72" X 24" | 94" | 130" | 164" |
| 72" X 48" | 118" | 154" | 188" |
| 78" X 24" | 99" | 138" | 194" |
| 84" X 36" | 128" | 170" | 206" |



Comparison is for illustrative purposes; dimensions are rounded to whole numbers. See page six for exact dimensions.

Standard stair crossover systems



- ① Height
 - ② Width
 - ③ Length
- Overall dimensions are based on the specified ④ platform length/span and ⑤ stair height

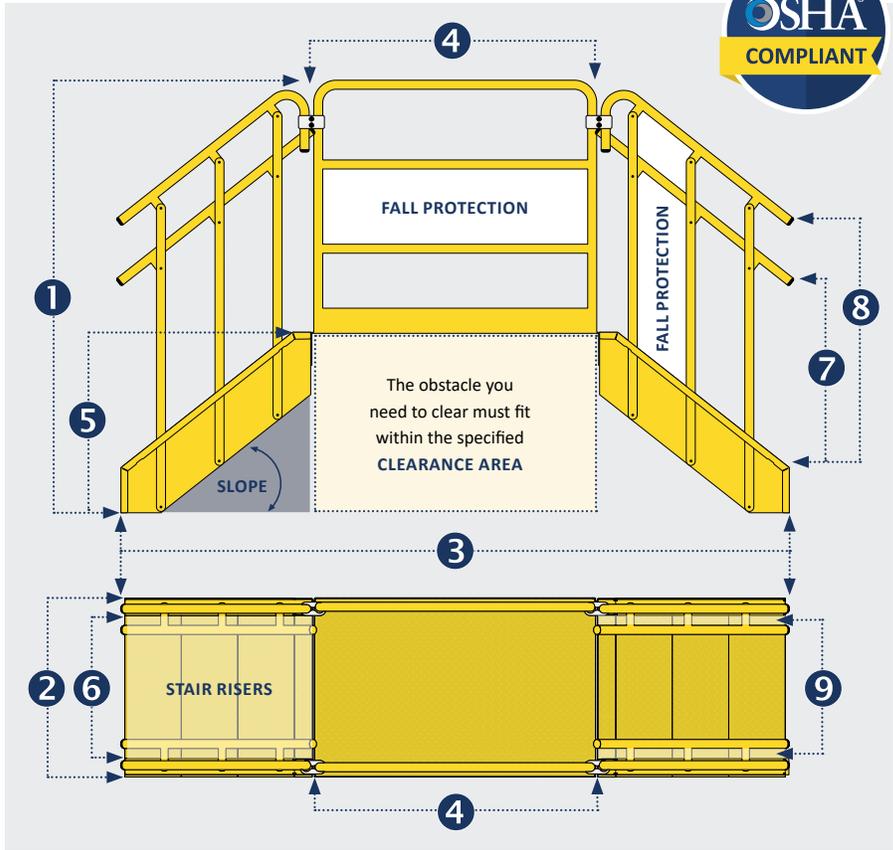
- Stair **SLOPE** is 45 degrees or less from the horizontal OSHA §1910.25(c)(1)
- STAIR RISERS** have a uniform height of no more than 9.5 inches and uniform depth of at least 9.5 inches OSHA §1910.25(b)(3), §1910.25(c)(2), §1910.25(c)(3)
- FALL PROTECTION** system with less than 19 inches between horizontal mid-rails and vertical balusters OSHA 1910.29(b)(2)(i), §1910.29(b)(2)(iii), §1910.29(b)(2)(iv)

STANDARD OPTIONS INCLUDE*

- ✓ Carbon steel with safety yellow, iron gray, or gray primer powdercoat finish
- ✓ 36 inch wide treads with open risers ⑥
- ✓ 3/16 inch diamond tread plate platform
- ✓ 11-gauge diamond tread plate treads
- ✓ OSHA-compliant guardrail system constructed of 1½ inch round tubing:
 - ⑦ 34 inch high handrails OSHA §1910.29(f)(1)(i)
 - ⑧ 42 inch high guardrails OSHA §1910.29(f)(1)(ii)(B)
 - ⑨ 2¼ inch handrail clearance OSHA §1910.29(f)(2)
- ✓ 3 inch square tubes legs (when required)
- ✓ All assembly hardware

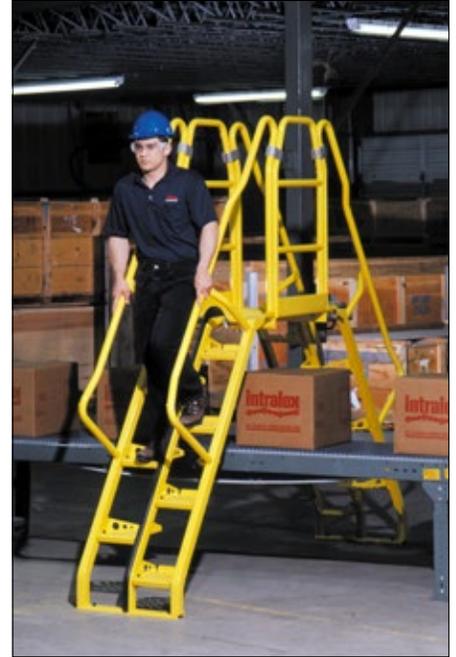
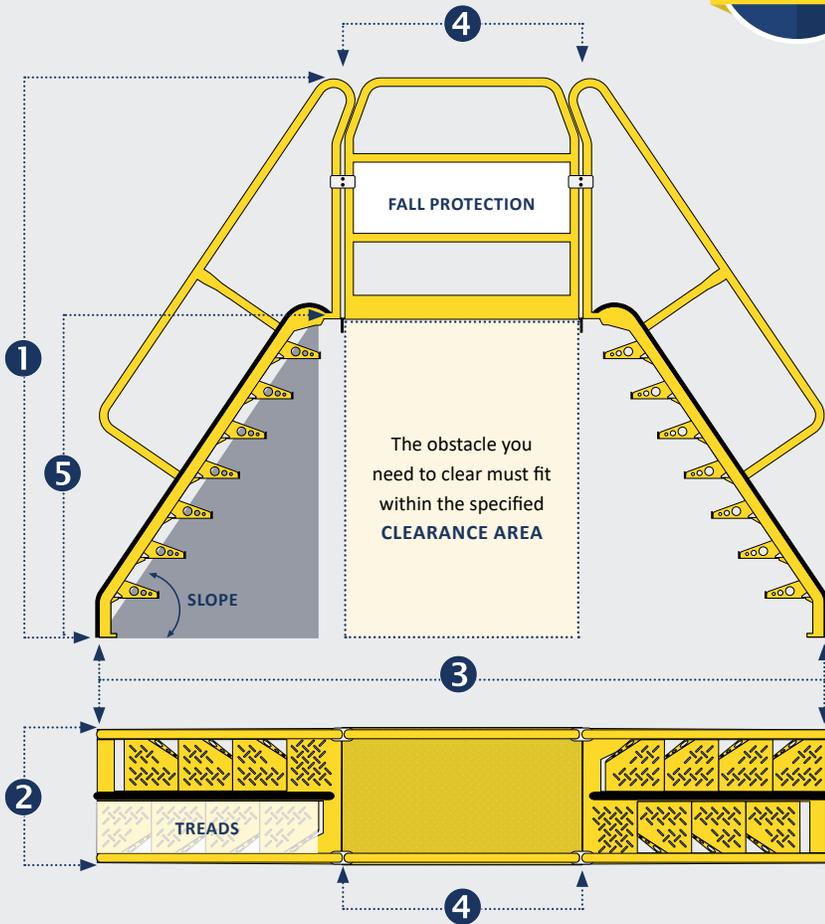
MORE OPTIONS ARE AVAILABLE*

- ✓ Carbon steel with custom powdercoat colors
- ✓ Carbon steel with hot-dip galvanized finish
- ✓ 24, 30, 36, and 48 inch wide treads
- ✓ Tread backpans
- ✓ Additional tread types
- ✓ Additional platform decking materials
- ✓ Additional stair heights and platform sizes
- ✓ Varying stair heights
- ✓ Additional guardrail system materials
- ✓ Additional platform configurations

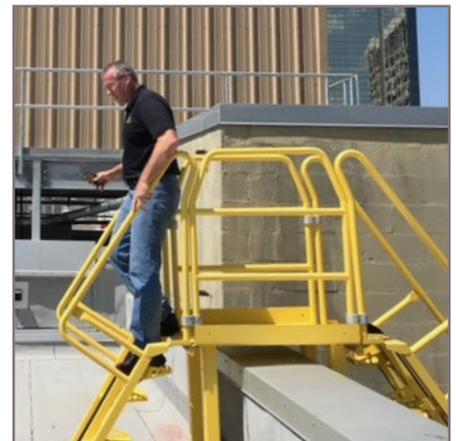
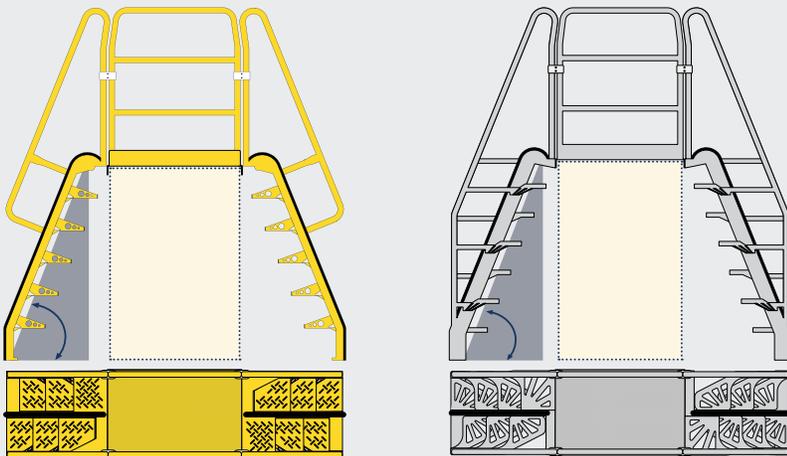


Alternating tread stair crossover systems

56° Crossover Systems Available in steel



68° Crossover Systems Available in steel and aluminum



- ① Height
- ② Width
- ③ Length

Overall dimensions are based on the specified ④ platform length/span and ⑤ stair height

Stair **SLOPE** is either 56 or 68 degrees from the horizontal OSHA §1910.25(f)

TREADS are at least 8½ inches deep with open risers and at least 7 inches wide at the leading edge OSHA §1910.25(f)(3), §1910.25(f)(4), §1910.25(f)(5)

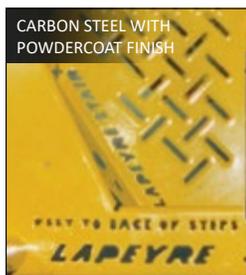
FALL PROTECTION system with less than 19 inches between horizontal mid-rails without projections OSHA §1910.29(b)(2)

STANDARD OPTIONS INCLUDE*

- ✓ 56 or 68 degree carbon steel alternating tread stairs with powdercoat finish in safety yellow, iron gray, or gray primer
- ✓ Diamond plate platform with 42 inch high guardrails constructed of 1½ inch round tubing OSHA §1910.29(f)(1)(ii)(B)
- ✓ Crossover bracing kit
- ✓ All assembly hardware

MORE OPTIONS ARE AVAILABLE*

- ✓ Carbon steel with custom powdercoat colors
- ✓ Carbon steel with hot-dip galvanized finish
- ✓ 68 degree aluminum alternating tread stairs
- ✓ Grade 304 stainless steel
- ✓ Back pans for stairs
- ✓ Safety gates
- ✓ Additional stair heights and platform sizes
- ✓ Varying stair heights
- ✓ Additional platform decking options
- ✓ Additional platform configurations

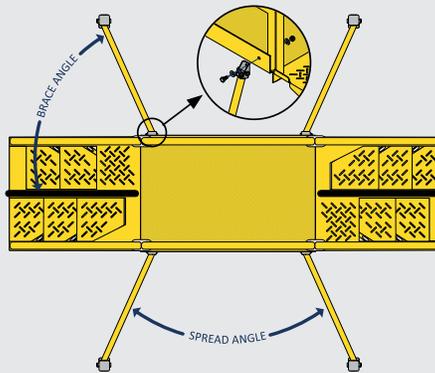


STANDARD CROSSOVER BRACING KIT



Alternating tread stair crossover systems must be braced to prevent swaying. List prices for these systems includes our standard crossover bracing kit. The kit includes stainless steel brackets and hardware for the upper and lower connections plus custom tubing in the same material and finish as your crossover system. *Subtract \$303.91 from the list price if you will provide your own bracing for the system.*

We will need the following information when you place an order to calculate bracing specifications:



- ✓ Dimensions of obstacles surrounding the system
- ✓ Optimal spread angle (0° to 20° for 56° stairs; 0° to 10° for 68° stairs)
- ✓ Optimal brace angle (20° to 30° from the vertical plane)

Contact us if you need help determining the spread and brace angles for your system.

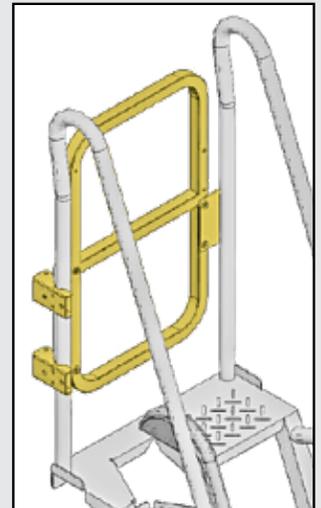
OPTIONAL SAFETY GATES

Optional safety gates provide additional security at the top of alternating tread stairs. They attach to the platform rails with reversible hinges and provide a 180 degree gate swing.

Carbon steel safety gates
\$319.10 Standard powdercoat colors
\$329.75 Hot-dip galvanized finish

Stainless steel safety gates
\$600.20 Grade 304 with mill finish

Prices are per safety gate. Custom powdercoat colors are also available.



OPTIONAL BACKPANS



Minimize the risk of damage to workers and equipment beneath your crossover system with optional backpans for alternating tread stairs. Backpans bolt under the stairs to form a solid barrier behind the treads that spans the height of the stair and provides protection from falling objects.

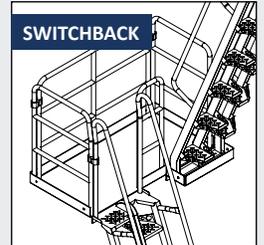
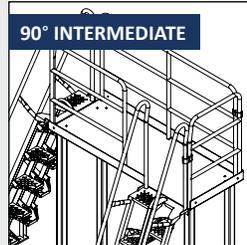
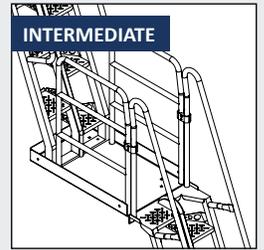
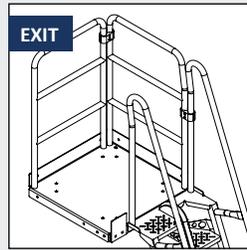
Pricing for optional backpans is based on the height of the stairs.

Custom crossover systems

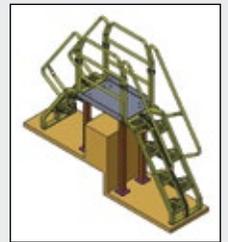
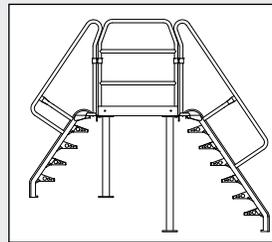
One-size does not fit all when it comes to providing safe access. Our expert team is can help you safely overcome virtually any obstacle.



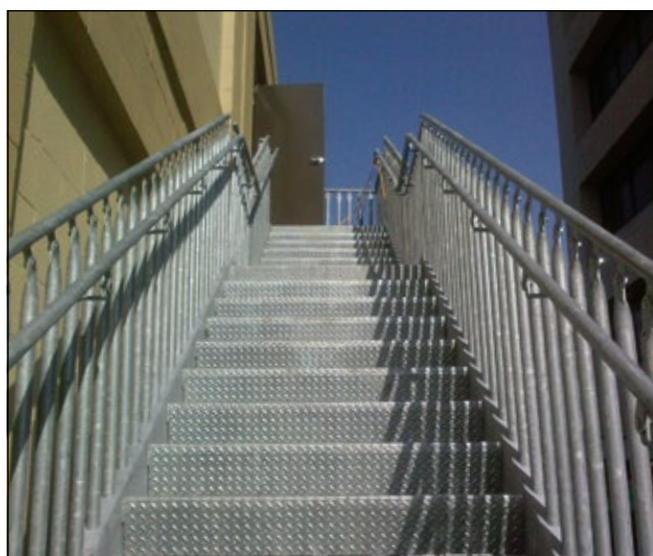
Additional platform configurations



Varying stair heights



Additional OSHA-compliant solutions also available





Ready to take the next step?

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