

INDUSTRIAL CROSSOVER STAIRS



Many industrial, commercial sites can have a wide variety of equipment and obstacles that workers must work around. Sometimes going up and over the top of these barriers is often the quickest and safest path. Whether the need is inside the plant, outside in the yard, or up on the roof, the EDGE Modular Crossover Stairs (MCS) provides the safest, most versatile high quality solution to meeting your needs. No matter if you need to cross over a single pipe, or span a 60' space with multiple ingress/egress points, the MCS system is the one-product solution that can do it all.

Get the best system on the market—one that will grow with you as your needs change. Our configurable, plug-and-play components all work together seamlessly to build just about any structure you need. Here are just a few examples of what you can design with the MCS system.



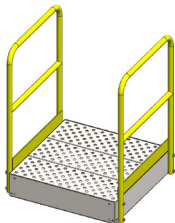
Non-slip traction
in snow, ice or
wet conditions



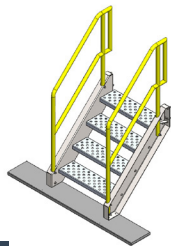
SMART PLUG-AND-PLAY DESIGN—ONLY 5 COMPONENTS

No custom fabrication, special tools or equipment needed.

1 Handrails



2 Universal platforms

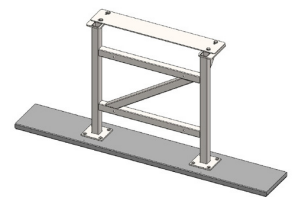


3 Safety stairs

4 Ladder units



5 Tower supports



EDGE
FALL PROTECTION

844-314-1374 | EDGEfallprotection.com | Info@edgefallprotection.com

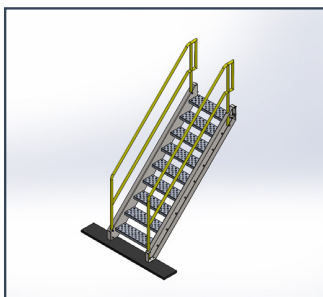
EDGE's Modular Crossover Stair is not just another crossover stair, it's an integrated plug-and-play personnel safety system.

There are only three main components of the MCS system. With these three off the shelf components, you can build your custom walkway at a fraction of the price of a custom designed walkway system. And don't worry about the final design elements. Our on-staff engineers will help you every step of the way with CAD drawings to ensure your MCS will fit your application. And better yet, we offer this service at no additional charge. Want a turn-key factory installed project? We can do that too. Can it get any easier?



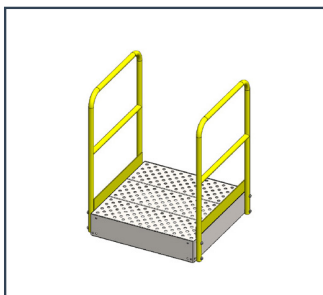
STRINGER HEIGHT

First measure height of obstacle to determine number of stairs required. Each step adds 8" of rise. For example, our 9 step stairs provide 72" of clear space under platform.



PLATFORM HEIGHT

Next measure width of obstacle to determine number of platforms required. Each platform is 3' long and ideally you would want this slightly larger than the width of the obstacle.



SUPPORT LEGS

FAAs general rule, when there are more than 3 platforms bolted together, support legs should be added at every 2nd platform interval and at each stair stringer. Eg: a 4-platform setup would require 3 legs.



USES

- Rooftops
- Construction Sites
- Manufacturing Facilities

FEATURES

- Smart Plug & Play Design
- Extended Lengths
- Multi-Level Option
- Standard sizes in stock, ready to ship
- No hot-work permits or cutting required
- Pre-engineered system for OSHA and IBC compliance

SPECS

- Galv platform
- Powder-coated rail
- Toeboard included
- OSHA & IBC compliant

The MCS system has been independently tested by 3rd party testing company to verify OSHA and ANSI standard compliance. Details of report forwarded on request.



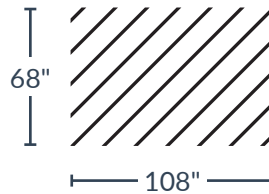
EDGE
FALL PROTECTION

844-314-1374 | EDGEfallprotection.com | Info@edgefallprotection.com

HOW TO CALCULATE YOUR CROSSOVER STAIR REQUIREMENT

1 Measure the width and height of obstacle

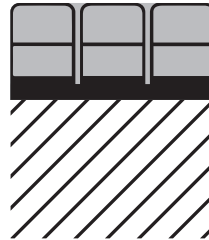
Example: Width=103", Height=68"



2 Determine quantity of platforms required to span the width of the obstacle

Note: Each platform is 36" long. Going slightly longer than obstacle is better than shorter.

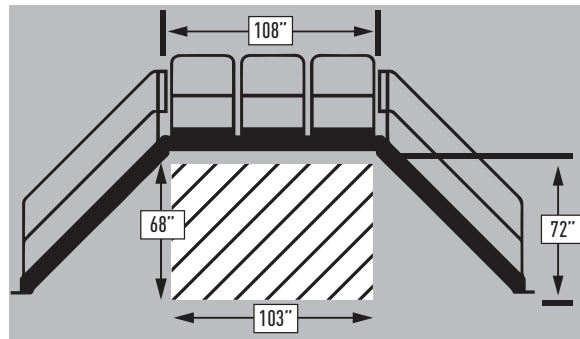
For this example, take $103"/36" = 2.86$. Round up to whole number. 3 platforms are required to clear obstacle.



3 Determine number of crossover stairs required. Take the height of obstacle and divide by 8.

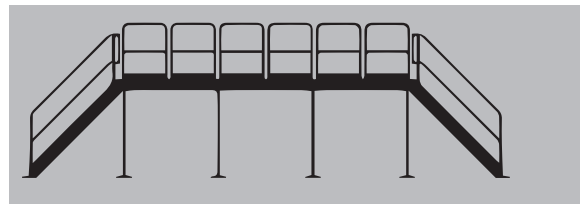
Note: No intermediate support legs are required on straight platforms

For this example, take $68"/8 = 8.5$. Round up to whole number. A 9-step crossover stair is needed.



4 Determine number of intermediate support legs required.

Example: 6 Platform System. Add 1 support leg on each stair stringer. Add 1 support leg at every 2nd platform connection. Total 4 support legs required.



SPECIFICATIONS

COMPLIANCE STANDARDS

OSHA 29 CFR 1910.25 (b) (4)
OSHA 29 CFR 1910.25 (b) (7)
OSHA 1926.502 ???

ANSI ???

California Title 8, Ch. 7 §3231
100% Made In The USA

CONSTRUCTION DETAILS

Railings 1.625 x .068w HREW tubing
Stringer 8.5" x ??? channel
Stair/Walkway 6061 aluminum 11 ga
Stair Tread: 8.75" x 30"
Foot pad 12" x 72" recycled plastic

DIMENSIONAL DETAILS

Railings 42" above walking surface
Platform Sections: 36"W x 36"L
Height Range: 2-step to 9-step
Length Range: No limitations with required support legs
Stair Width: 30"
Stair Angle: 30 degrees
Support Legs: 1.25 sched. 40 pipe

INTERMEDIATE SUPPORT LEGS

Required on crossovers exceeding (3) platform sections long and any side platforms installed perpendicular to primary run.

FINISH DETAILS

Railing powder coat safety yellow
Stringers galvanized finish
Stair/Walkway aluminum

ATTACHMENT DETAILS

Can be freestanding with 72" wide foot plate on stringers
Can be bolted into substrate capable of supporting load rating of stairs and workers

WE INSTALL TOO!

Let us do it for you. Call to get a quote for our professional installation services.



EDGE
FALL PROTECTION

844-314-1374 | EDGEfallprotection.com | Info@edgefallprotection.com