

Access  
Engineering

# ADD-A-STEP<sup>®</sup> MODULAR LADDER



THE BRAND NEW  
ADD-A-STEP<sup>®</sup>  
STANCHIONS



**INDUSTRIAL**  
STEPS & LADDERS

Designed and Manufactured in Australia  
[www.industrialsteps.com](http://www.industrialsteps.com)

# The History of Industrial Steps & Ladders



**Industrial Steps & Ladders** is an Australian - owned innovative access engineering company.

First established in Perth in 2001, the company is moving to become a national and international participant in the field of access engineering.

With the encouragement of several engineering contractors in Western Australia to address an urgent need in pit access, **Industrial Steps & Ladders** invented and patented the **ADD-A-STEP®** ladder. Sales of the **ADD-A-STEP®** commenced in 2003.

**Industrial Steps & Ladders** is currently in the process of developing further new products in the access engineering field. The recent introduction of the “**ADD-A-STEP® Stanchion**” has been very successful in the mining industry and is now being promoted in the sewerage market.

This brochure describes the range of **ADD-A-STEP®** ladders and their very practical benefits in potable water, waste water, corrosive and general industrial and construction applications.



## The ADD-A-STEP® Package

The **ADD-A-STEP®** modular ladder system was designed to provide a product that could be supplied off the shelf for next day delivery.

**ADD-A-STEP®** is manufactured from different types of engineering polymers. Each module of the **ADD-A-STEP®** ladder consists of two stiles, one rung and two retaining clips. Each stile measures 360mm long, 80mm wide and 32mm thick maximum dimension. The ladder width outside the stiles (uprights) is 435mm and it weighs approximately 5kg per lineal metre.

The **ADD-A-STEP®** ladder has 30mm diameter rungs at 300mm centre spacing and the width or foot space inside the stiles is 375mm. The ladder is assembled on site using the number of modules required to achieve any length requirement.

Each ladder box measures 425mm long x 360mm wide x 190mm high and contains three metres of ladder and three bracket sets. Any number of modules can be purchased. The **ADD-A-STEP®** modular ladder system offers supply off the shelf for a next day delivery.

## Two Bracket Types

1. Pipe Bracket



2. Square Bracket



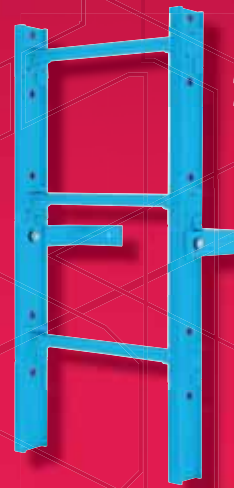


# 3 Ladder Types for Various Applications



## 1) Sewage - Yellow

Coloured yellow and recommended for use in chemically aggressive locations such as sewer man holes.



## 2) Potable Water - Blue

Coloured blue and recommended for use with potable water immersion situations such as water towers and tanks.



## 3) Building & Construction - Black

Coloured black is recommended for use in building and construction, particularly where the ladder is exposed to ultra-violet light.

All ladder modules are injection moulded using glass fibre filled engineering polymers in a purpose made set of dies. The green coloured retaining clip in the rung is injected moulded from acetyl co – polymer.

## The Benefits of ADD-A-STEP®

- It is modular and can be transported over long distances more economically than fully assembled ladders.
- It does not have to be measured prior to order and can be made up to any length on site as required.
- The **ADD-A-STEP®** ladder packs can be transported in a lift or by crane and assembled at the top or at the foot of a structure.
- There is no maintenance required other than occasional cleaning with a pressure hose if desired.
- The **ADD-A-STEP®** ladder has excellent insulation properties so it can be used in applications where electrical cables are present.
- The blue ladder is suitable for contact with drinking water.
- The fibre reinforced plastic materials used are UV tolerant and non-corrosive.
- Contractors and Water Authorities will have major benefits regarding OH&S issues particularly weight. At approx. 5Kg per meter the ladder is significantly lighter than steel or stainless steel.

# A Fully Tested Alternative to Steel

The design of the **ADD-A-STEP®** modular ladder enables it to meet stringent performance standards. All the components are manufactured in an Australian quality controlled manufacturing facility.

The **ADD-A-STEP®** modular ladder passes all the tests required by the Water Authorities to meet their special performance requirements. **ADD-A-STEP®** also conforms to the requirements of AS1657-1992 and AS4198-1994.

Raw materials used in the production of the ladder are sourced only from leading global

suppliers who comply with international standards. The injection moulding process employed to manufacture the modules is computer controlled to exacting tolerances.

A colour-coding system is utilised to ensure the appropriate ladder type is used in the correct application.

**Industrial Steps & Ladders** is a Quality Assured Supplier. The quality manual and procedures are audited annually and certified by Bureau Veritas Australia.

AS/NZS ISO  
9001:2008



## ADD-A-STEP® STANCHIONS

- Fully integrated with the **ADD-A-STEP®** ladder system
- Designed to allow safer access
- Ease of installation – utilises the **ADD-A-STEP®** fitment process
- Incorporates specially designed bracket features
- Is available in stainless steel or galvanized steel

Complies with AS 1657 – 1992





# The ADD-A-STEP® Installation Process

The ADD-A-STEP® Modular Ladder system has been designed in such a way that assembly and installation is a quick and very simple process.



The Modular components



Assembling stile and rung

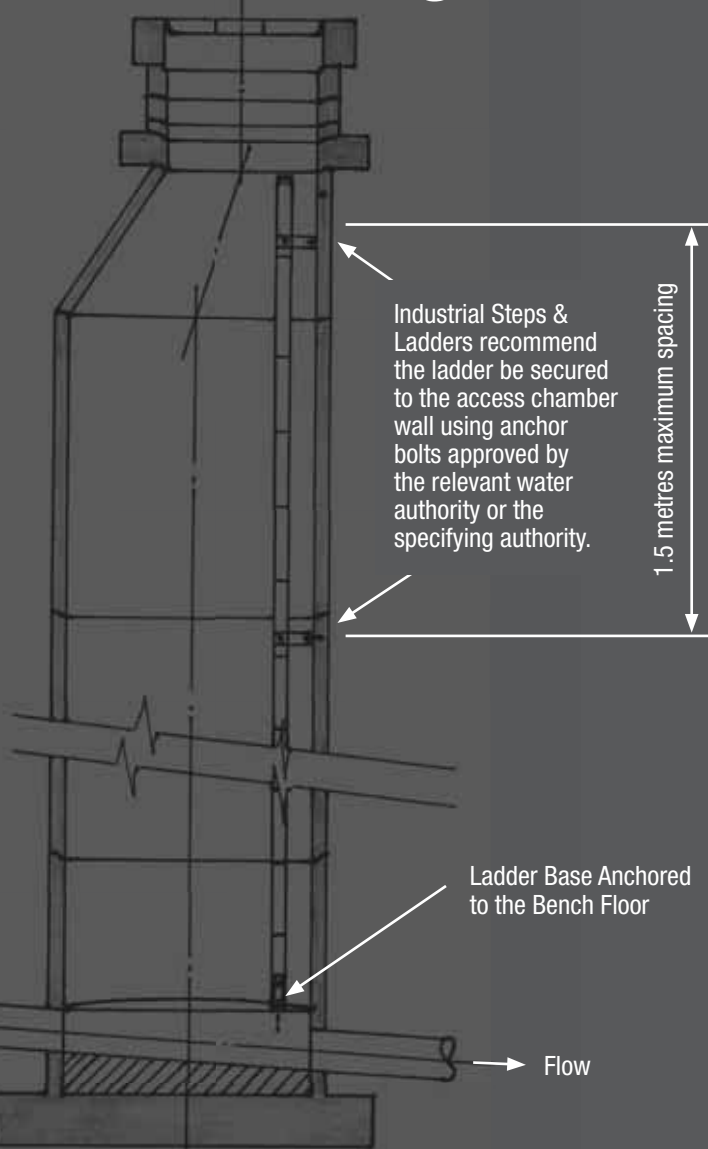


Assembling ladder to required size



Placing in the retaining clips

## The ADD-A-STEP® Bracket Fixing Detail



Assembled ladder



Bolting on the wall brackets



Ready to install the ladder



Anchoring ladder in the access chamber



Ladder installed and ready for use



ADD-A-STEP® Job done

Typical Access Chamber 1.5m to 7.5m depth

# Plastics – Materials for the Future

Plastics are one of the most resource efficient and versatile materials available to society and make a significant contribution to achieving the goals of sustainable development.

Products made from plastics provide an affordable alternative to traditional materials and give the community access to a higher standard of living.

Importantly the plastics industry helps to

save resources, fossil fuel and energy. Plastic products also save water and preserve food. Plastics only consume a small fraction of the world's oil as feedstock – just 4%.

Plastics are too valuable to waste after serving a useful life. Plastics can either be recycled or used as an alternative fuel. Plastic waste has a calorific value at least equal to coal and with lower CO<sup>2</sup> emissions.

## Further Advantages of ADD-A-STEP®

- Long life in extreme conditions. We are carrying out tests to confirm our own estimate of at least 50 years life.
- Raw materials are sourced from a number of prominent global manufactures.
- Ladders can be removed from one site and re-installed at another
- No painting or other protective coating required.
- Products can ultimately be fully recycled

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Member