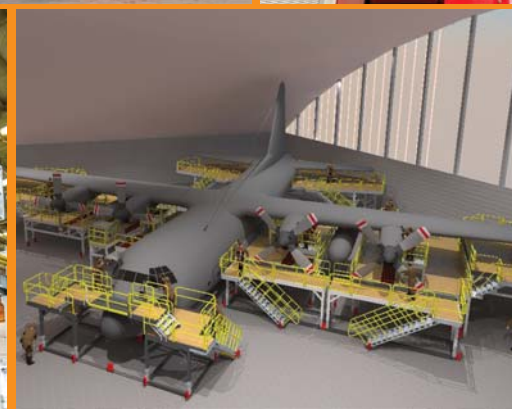




BEAVER TECHNOLOGY SERVICES  
Pty Limited

# CATALOGUE

2020



ENGINEERED HEIGHT SAFETY SOLUTIONS





# INTRODUCTION



Beaver Technology Services (BTS) have been providing Australian and International companies with practical innovative product solutions for Industrial Fall Protection applications including working at heights and in confined spaces.

With a strong focus on product innovation, we are able to provide working at heights solutions across multiple industries.

All our products are manufactured to meet world standards and are backed by our internationally accredited ISO9001 Quality Management System, NATA laboratory and BSI certification.

Every work environment is unique in its own way and with our comprehensive product selection, we are able to meet the requirements even for the most challenging work environments.

On the occasion where a client is seeking a customised engineered product solution, our in-house design, engineering and fabrication team are ready to create a product solution in-line with the client's brief. From concept to completion, it all starts with a site specific consultation and moves all the way through from design to engineering, manufacturing, installation and training.

BTS prides itself on paramount customer service.

With over 60 years of combined experience our designers, engineers, installers, trainers and sales people are fall protection industry elite throughout Australia. We are knowledgeable, dependable and professional

Brands we represent:



## EMPOWERED BY INNOVATION

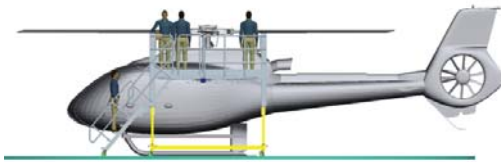
The team at BTS believes that creating a culture of innovation requires a continuous balancing act between focused attention and a questioning mind. Achieving this requires creating and capturing opportunities in new ways by improving on existing products, processes and services.

It is the goal of every BTS team member to create lasting relationships with our clients. At BTS we take a hands-on pragmatic approach to develop winning products that accommodates each client's unique and evolving requirements. By working closely with our clients we challenge every aspect of every detail, ensuring that our clients are provided with the right solution, that delivers a lasting return on investment.

# DOCKING / SERVICING

BTS AirDock / Servicing Platforms

## BTS AirDock / SERVICING



**BTS provides mobile and stationary access systems to suit various requirements for numerous industries; aircraft service and deep maintenance, heavy vehicle, rail, manufacturing plant access & mining just to name a few.**

Design dependent, BTS structures are constructed entirely from lightweight aluminium or steel, or combination of both. Mobile structures are manufactured lightweight for ease of maneuverability. Covering of the platforms and walkways can be supplied in either coated plywood panels or gratings. BTS can provide turn-key solutions from design and fabrication to installation and commissioning, through our experienced team of dedicated design engineers and installers. BTS works closely with customers to ensure design brief can be met, produced and installed, providing most ergonomic, cost competitive and applicable standards compliant working environment. BTS prides itself in designing products to follow requirements of appropriate standards and testing regime required.

### **BTS takes guidance from the following Australian and International standards:**

- AS1657-2013 "Fixed platforms, walkways, stairways and ladders – Design construction and installation"
- AS/NZS 4994.1 – 2009 Temporary edge protection Part 1: General requirements
- AS/NZS 5532: 2013 Manufacturing requirements for single-point anchor device used for harness-based work at height
- EN 12312 – 8:2005 (+A1:2009) Aircraft ground support equipment – Specific requirements - Part 8: Maintenance stairs and platforms
- EN 13374:2013 Temporary edge protection systems – Product specification – Test methods
- EN ISO 14122-2:2001 Safety of machinery – Permanent means of access to machinery – Part 2: Working platforms and walkways
- EN ISO 14122-3:2001 Safety of machinery – Permanent means of access to machinery – Part 3: Stairs, stepladders and guard-rails





# DOCKING / SERVICING

BTS AirDock / Servicing Platforms

## BTS AirDock / SERVICING SYSTEM



The aircraft docking system designed and developed by BTS is divided into 2 types, one for aircraft assembly, which achieved high efficiency, accuracy, and reliability for large components installation. Another one for aircraft maintenance platform, which creates an environment for convenient, reliable and safe aircraft maintenance.

Servicing Platforms are designed to be modular in construction, portable and easy to manoeuvre. BTS product solutions is based predominately around strong but lightweight aluminium structures. Platforms feature a compact design with two flooring options; non-slip coated structural plywood or tread plate aluminium panels. Our system provides guardrail protection around all working platforms without obstructing the servicing process. The entire structure consists of individual mobile platforms which are easily movable and connected. Each platform can be used independent of another when necessary and provide the same level of perimeter safety during maintenance process. The platforms are height adjustable to carry out work with the aircraft's landing gear on or off the ground.

### PRODUCT FEATURES

- Purpose built platforms are designed to be easily positioned under the plane's designated work area
- Modular platforms are designed for quick assembly and installation
- Engine platforms configuration allows quick set up for propeller rotation, service and removal, while other work can be carried out on the engines and wings
- Platforms servicing engines 2 & 3 are designed to allow lifting tripods be installed or removed while the platforms are in use.
- Pull out panels with protective rubber bumpers allow platforms to contour around plane's body
- Design standard: EN12312-8, ENISO14122, MH/T3012.17-2010, GB17888
- Modular design, easy installation, reduced obstruction to ground movement and walk ways
- The main body is made of high-duty aluminium, which is lightweight, good-looking and has a long service life
- 3D design, tailored to different aircraft models
- Complete functionality including lifting, walking, safety protection, electricity, lighting, fire protection and so on .



#### Purpose built platforms

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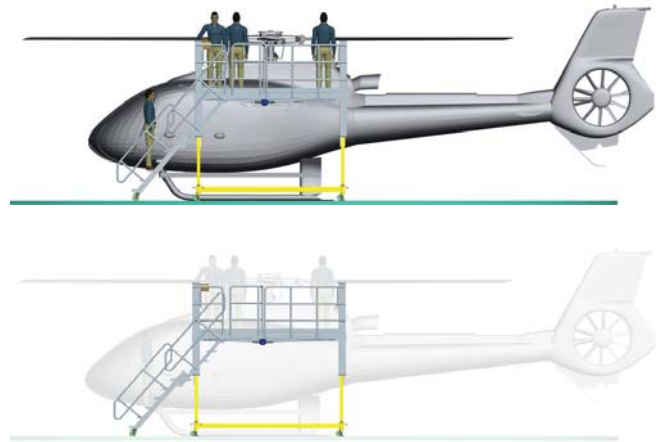
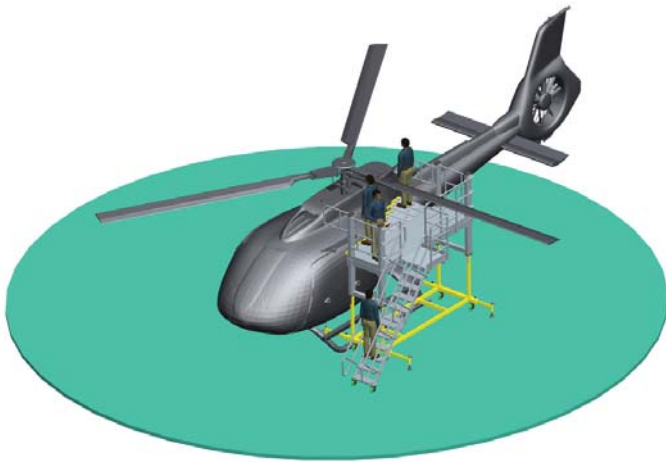


# DOCKING / SERVICING



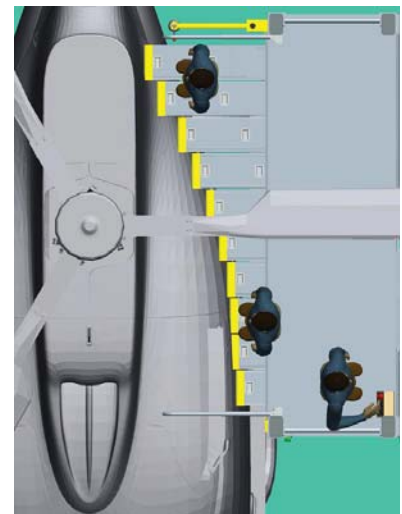
BTS AirDock / Servicing Platforms

## BTS AirDock HELICOPTER / MAINTENANCE PLATFORMS



### PRODUCT FEATURES

- Modular, easy to assemble/disassemble platform decks.
- Adjustable Decking plates in increments of 500mm wide by 1000mm long with polyurethane bumpers for protection of all surfaces adjust to allow leading edge to match contour of equipment being accessed.
- Individual rubber bumpers protect equipment during adjustment and work activities.
- Platforms of various sizes and shapes may be combined to surround large structures.
- Various heights are available to meet specific application requirements.
- The access system including walkway, guardrail, stairs, ladders, platforms etc.
- BTS provides both engineering design and fabrication.
- Experienced engineering team to offer tailored proposals according to the customers' need.
- Lightweight, good-looking and corrosion residents.
- Stress and safety factors are considered and analysed during design.



#### Adjustable Decking plates

500mm wide by 1000mm long with polyurethane bumpers for protection of all surfaces adjust to allow leading edge to match contour of equipment being accessed.







Beaver Technology Services (BTS) commitment to supply quality products and service means that we are able to supply a wide variety of services in our NATA accredited laboratory. This commitment starts with our AS/NZS ISO9001-2000 Quality Assurance right through to our highly trained and competent staff (many of our staff have been factory trained on a number of Materials Handling and Height Safety products).

Our NATA scope includes Australian, European and Military Standards. Our experienced staff have been providing technical assistance to the Construction, Mining, Maritime, Military, Engineering and Materials Handling sectors for many years. All of our testing work is carried out in accordance with the relevant standard.

All of our testing equipment is routinely calibrated as per Australian Standards (copies of calibration certificates are available on request) also all of our test beds produce computerised test certificates with graphical results showing force over time.

BTS has also developed a number of specialised testing and inspection regimes in conjunction with a number of customers to meet their specific needs, outside of the usual scope of products. BTS also ensures that dedicated equipment is tested in conjunction with the manufacturer's requirements and site specific needs.

Our NATA laboratory is located at our Girraween head office where we can offer the following services:

- Horizontal tensile testing to 270 metric tonne
- Compression testing to 100 metric tonne
- Vertical test machines in 30 & 100 metric tonne
- Portable load cells from 5 to 25 metric tonnes
- Chain block, lever block and hoist testing
- Magnetic crack testing (MCC)
- Product recertification
- Height safety dynamic and static testing to AS/NZS and EN standards
- Drop testing on height safety anchor points on our custom designed testing tower and also on our mobile drop test trailer (to AS/NZS5532-2013)
- Hardness testing (HRC, BHN & HV)
- Charpy impact testing

We also offer:

- On-site testing and inspections
- Hydraulic testing of Height Safety anchor points
- Testing officers / Riggers for your on-site emergencies
- Fast turn around with competitive rates
- Rigging services
- Setting up and maintenance of Testing and Equipment registers
- Issuing of test certificates

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www.btstech.com.au



Read Instruction Manual before using.



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Specifications and dimensions subject to change without notice.

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