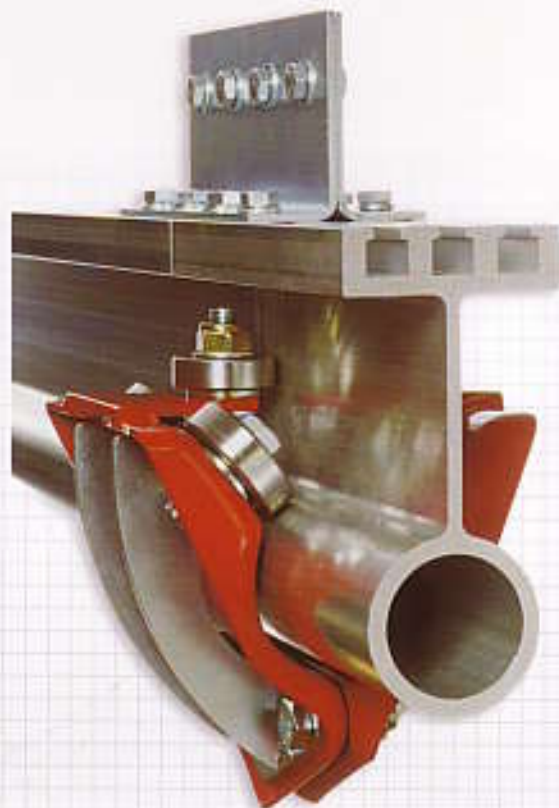
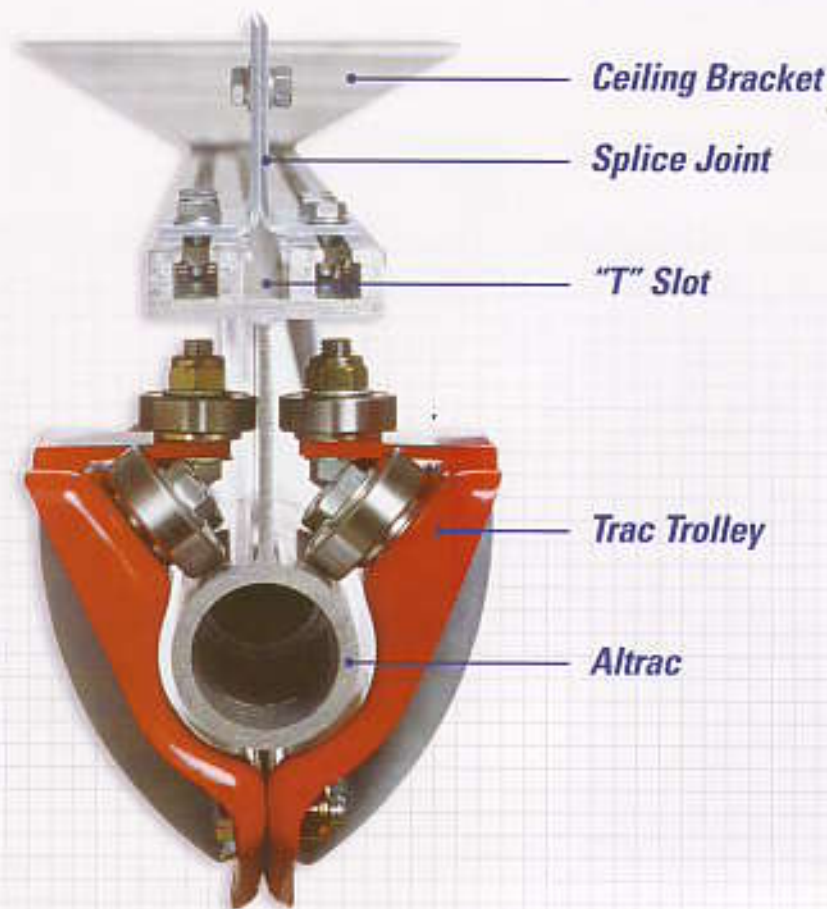


BOMAC
Altrac

ALTRAC • TROLLEYS • BRACKET SYSTEMS



Altrac



LIST OF BENEFITS TO CUSTOMERS:

STRONG

- High tensile strength – tested to Australian Standards

LIGHTWEIGHT

- Easy to install
- Less than 7kg per metre

MODULAR ASSEMBLY

- Pre-engineered for modular assembly. Altrac has been designed for ease of installation as a bolt together system

AESTHETICALLY PLEASING

- Smooth lines - May be used in architectural design for building projects

DOES NOT REQUIRE SURFACE COATING

- No flaking of materials eg paint, on to area below

DOES NOT CORRODE

- No unsightly stain marks from rust

SELF CLEANING

- The surface of the track does not become contaminated by the build up of dirt and dust – ideal for food, beverage and pharmaceutical applications

EXTENDABLE

- Track may be added to at a later date with the use of a Splice Kit

SUPPLY TO LENGTH

- Altrac may be supplied in one continuous length up to 12m

NO SITE WELDING

- No welding, no fire/safety hazard at time of installation

COST EFFECTIVE

- Time saving on installation and maintenance

NO SPECIAL ASSEMBLY TOOLS

- Only basic tools required, no welders, no special widgets

ADAPTABLE

- May be supplied in curved sections to suit application as a monorail or gantry crane

MADE IN AUSTRALIA

- High quality product – Altrac Australian owned, made and designed

TROLLEYS

MAINTENANCE

- Any maintenance is easily identifiable as trolleys run externally to Altrac – not hidden by enclosed track.

FREE RUNNING

- Less than 0.5% rolling resistance enables you to move the load without strain. Less effort required than beam/enclosed track systems.

ADD/REMOVE TROLLEYS

- Should trolleys be required to be added or removed anywhere along the line, this can be achieved without removing existing trolleys - unlike an enclosed system.

NON-JAMMING

- The design of the trolleys means they will not twist or slew to cause jamming.

TESTED

- All rated trolleys comply to Australian Crane Code Standards available in a range of configurations rated at 220kg SWL and 500kg SWL in accordance with AS1418.
- An unrated version of 150kg capacity is available for non-hoisting applications.
- 500kg SWL trolley also complies with AS1891.2 - Fall Arrest Systems.

ALTRAC TROLLEY CONFIGURATIONS

- Just some of the 45 plus trolleys available in varying formats are illustrated below.



TT01

Basic 4 wheel unrated trolley.
Note: not rated for hoisting application - suitable for static loads only.
Powder Coated Side Plates
150kg Capacity



TT05

Fitted with 4 load and 2 side guide wheels to accommodate side loading.
Powder Coated Side Plates
220kg SWL



TT07

Basic 4 wheel rated trolley
Powder Coated Side Plates
500kg SWL



TT29

Basic 4 wheel rated trolley
Stainless Steel Components
CNC Side Plates
220kg SWL



TT09

10 wheel trolley depicted in inverted position. Suitable for infloor conveying and linear guidance applications.
Powder Coated Side Plates
500kg SWL



MT01 - 1/15 MOTORISED TROLLEY

Patented friction drive with proportionate tractive effort. 1-15 metres per minute. 3ph 415V via collector rail or flat cable catenary. Depicted mounted from TT05 trolley.



TT06

Trolley fitted with 10 bearing wheels to provide guidance in all directions. Suitable for bridge gantry and uplift applications.
Powder Coated Side Plates
220kg SWL

BRACKET SYSTEMS

The key to the ease of assembly of the Altrac system is the range of standard brackets and mountings, plus the provision of T Slots in the extruded track section upper flange, to allow the use of captive nut fasteners. The three slots give unlimited scope for positioning of suspension brackets and mounting locations. This also provides easy mounting of ancillary equipment such as collector rails, catenary systems, electrical equipment, air lines and fittings.

A full range of structural brackets is available to easily and safely install and support the complete system. All that is required is a single spanner and an electric drill. The system being lightweight and modular can be quickly and easily installed allowing for future modification, extension or relocation. All brackets and fixtures are zinc plated for corrosion resistance. Fasteners are grade 8.8. Brackets and Mountings are supplied complete with rivets (where necessary), bolts, nuts and washers.

EASILY EXTENDABLE:



AT01 SPLICE KIT
To join/extend Altrac system.



Splice Plate and Splice Tube in place. Tube riveted on underside of Altrac.



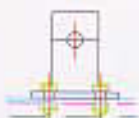
Simple alignment of Altrac extension.



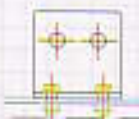
Completed joint accurately aligned for smooth running.



AT03 SINGLE BOLT HANGER
Maximum capacity 250kg.
Mounts parallel, 90 degree and 45 degree for suspension and bracing.



AT02 TWO BOLT HANGER
Maximum capacity 500kg.
Mounts parallel and 90 degree for suspension and bracing.



AT11 BEAM CLAMP
Maximum capacity 500kg.
For mounting Altrac 90 degree to universal beam sections.



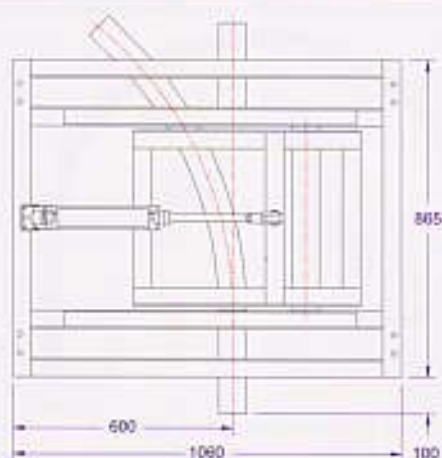
ALTRAC BRACKET SYSTEM:



- a. Ceiling Bracket
- b. Beam Clamp
- c. End Stop
- d. Splice Kit
- e. Bridge Hanger
- f. Two Bolt Hanger
- g. Single Bolt Hanger
- h. General Purpose Mount Adaptor



- **Powered, Manual or combination of both**
- **Storage Retrieval System**
- **Bypass and Transfer**
- **Accumulation Sorting**
- **Flow Through FIFO**
- **Multi-lane Selection**



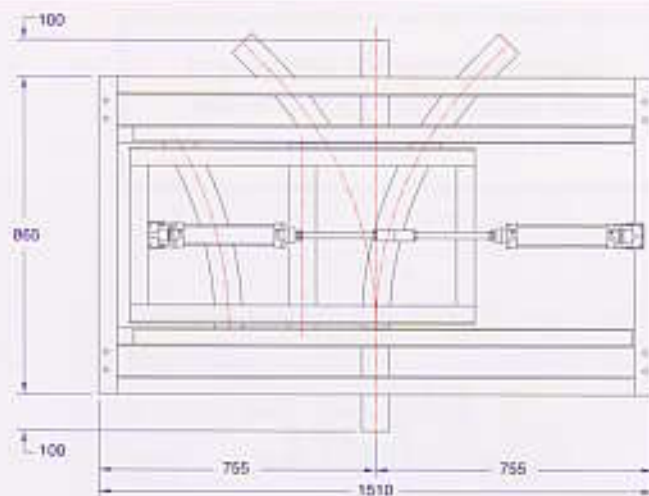
AT30 LH 2 WAY SWITCH

Right or left
hand switch

2 or 3 way
available

Integral safety
stops

500kg SWL

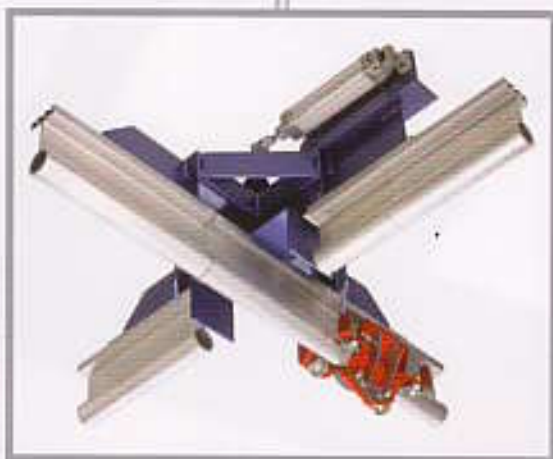


AT34 3 WAY SWITCH

OVERHEAD TRACK SYSTEMS

Bomac can provide a full range of component assemblies to enable the design and installation of overhead track systems. These systems can range from simple bypass or return live loops to complex multi-lane high-density storage systems. Used in conjunction with an array of standardised Trac Trolley Stops, Holdbacks, and Anti-runback devices, safe, efficient, cost effective solutions can be engineered from this range of equipment.

- The modular design approach allows for future expansions or modifications simply and easily.
- Operational control can range from simple manual to semi-automatic PLC Systems.
- All Altrac Switches and Turnouts incorporate integral fail-safe stops to prevent accidental dislodgment of the Trac Trolley.

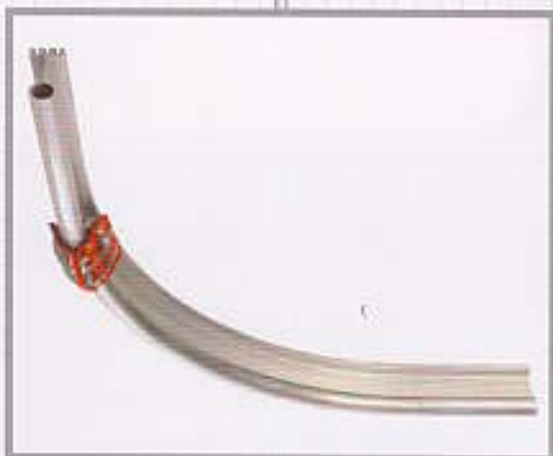
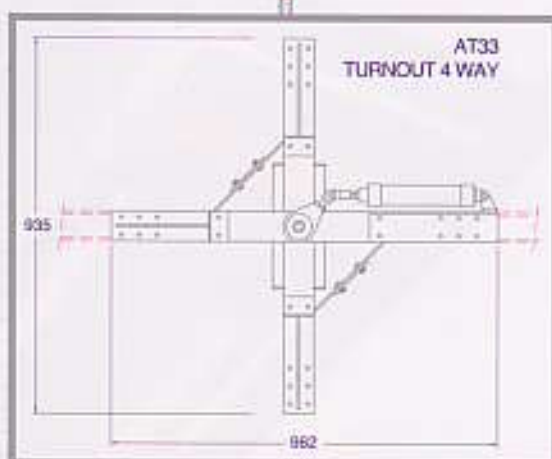


3 or 4 WAY TURNOUT

Manual or pneumatic
option

Integral Safety Stops

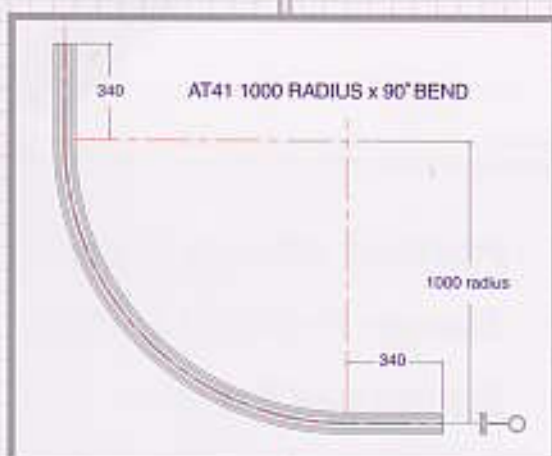
300kg SWL



HORIZONTAL BEND

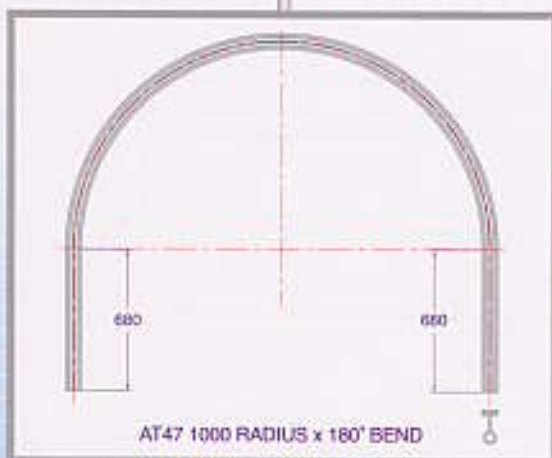
1000 Radius includes
straight section with
end for splice joint

Note: Standard
straight sections of
Altrac are not suitable
for Post Forming



Custom rollings for angles and
radii greater than 1000 available
upon request

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ALTRAC GANTRY SYSTEMS:

Can be installed or mounted to existing building structure or free standing up to 1000kg SWL. Hoists may be manual, electric, pneumatic or vacuum.

EXPORTED TO:

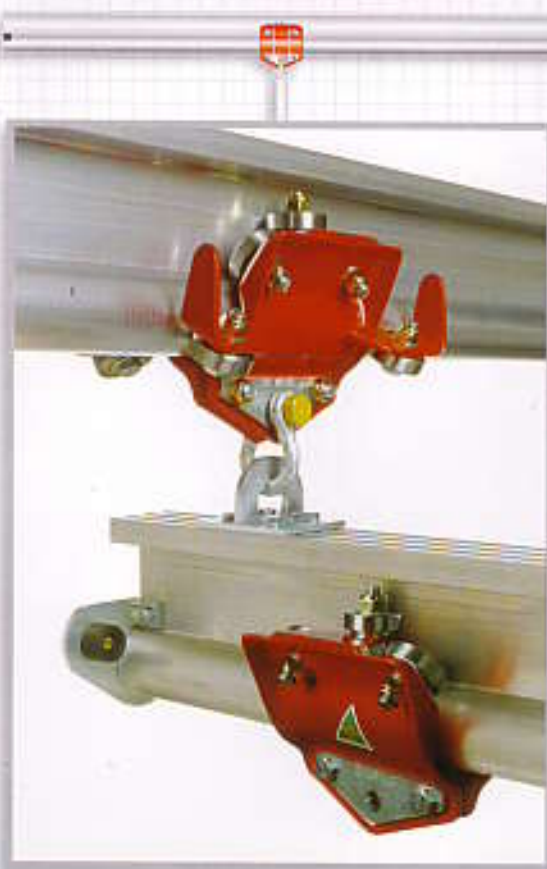
- New Zealand
- South Africa
- USA
- Japan

CONFIGURATIONS:

- Cranes
- Gantry Cranes
- Monorails may be supplied in curved sections to suit application

SUPPLIED TO THE FOLLOWING INDUSTRIES:

- General Engineering
- Beverage
- Food
- Mining
- Film
- Theatre
- Entertainment
- Recreation
- Pharmaceutical
- Playground
- Automotive
- White Goods
- Aeronautical



FLOATING GANTRY CONNECTION:

Gantry trolley connected with AT10 Bridge Hanger for easy floating movement. Altrac bridge fitted with AT06 removable End Stop complete with rubber buffers.



ALTRAC JIB SYSTEMS:

Manual slewing jib available with load capacity up to 1000kg. Pivot design with long life bearing system. Low mass Altrac enables easy movement with and without load. Hoist may be manual, electric, pneumatic or vacuum.

TECHNICAL DETAILS

BEARING OPTIONS:

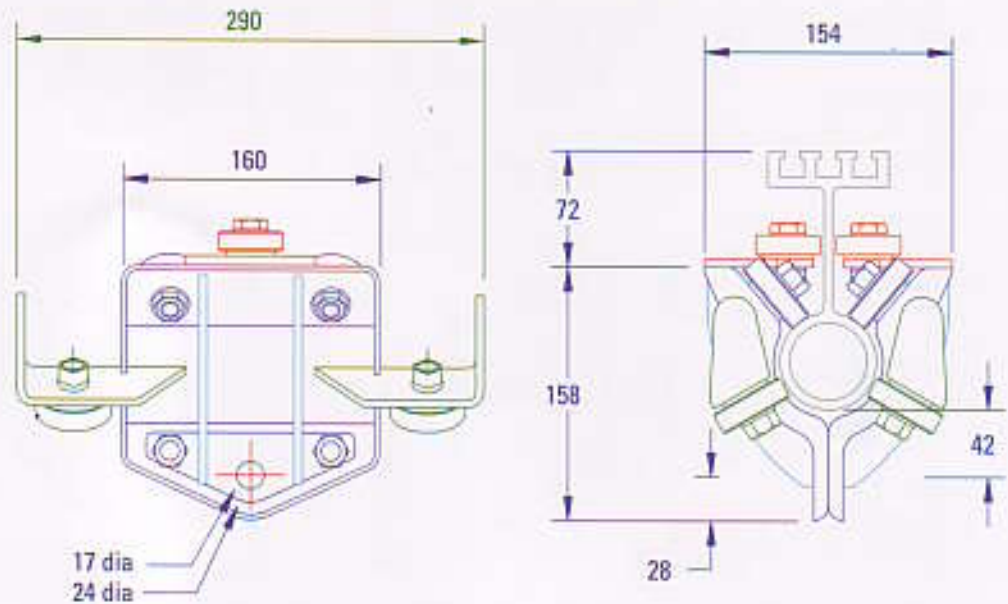
Shielded
Sealed
Open

WHEEL OPTIONS:

Steel
Nylon Tyre
Stainless Steel

SIDE PLATE OPTIONS:

Powder Coated Signal Red
Copper Nickel Chrome
Galvanised



KEY:

All dimensions in mm

Green: denotes dimensions for 10 wheel trolley
Red: denotes dimensions for 6 wheel trolley
Blue: denotes dimensions for 4 wheel trolley

17 dia hole 220kg SWL and 500kg SWL Trolleys
24 dia hole Unrated Trolley

Altrac

SAFE SPAN TABLES IN METRES (AS1418) FOR LOADS ABOVE 500kg CONTACT BOMAC

LOAD:	SAFE SPAN TABLES IN METRES (AS1418)				
	3m	4m	5m	6m	7m
100kg	Span allowed up to 7m				
200kg	Span allowed up to 6m				Span not allowed
300kg	Span allowed up to 5m			Span not allowed	Span not allowed
400kg	Span allowed up to 4m		Span not allowed	Span not allowed	Span not allowed
500kg	Span allowed up to 4m	Span not allowed	Span not allowed	Span not allowed	Span not allowed

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For Conveyor or Fall Arrest System, refer to Bomac Engineering for appropriate span data

BOMAC
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