

YOUNGMAN INNOVATIVE WORK AT HEIGHT SOLUTIONS

The premium industrial quality, aluminium modular access tower system

BoSS Inspection Guidance

Please ensure that you follow this inspection guidance carefully when using the BoSS Aluminium Modular Access Tower System.*

PLATFORMS



- •In place •Secure •No cracks, cuts or holes •Laminations intact
- •Non-slip coating facing upwards, undamaged and no excessive paint, plaster, oils and other contaminants



Platform Rivets •Rivet heads in place

- Secure
- Undamaged



Trapdoor Hinges, Stay Arm and Catch

- •In place •Secure •No excessive wear or corrosion
- Hinges and stay arm free to move
- Open trapdoor fully and release it must close completely and latch





Platform Framework

- •No damage, cracks, holes or excessive corrosion, especially around the welds and hooks
- •No more than one dent in a 300mm length
- Check all rivets and fixings are secure
- Diagonal dimensions are equal within 5mm
- Check platform is flat within 15mm
- Wind locks operate correctly and easily
- Label showing maximum permissible platform load is in place, secure and legible



Please note: The hinges and stay arm joints of trapdoors will benefit from the application of a penetrating lubricant

FRAMES





- **Tubes and Corner Gussets**
- •Maximum deflection 5mm in 1000mm length •No excessive denting or creasing •No more than one dent in a 300mm length
- •No cracks, cuts, holes or excessive corrosion
- Tubes sufficiently clean and free from paint, plaster and other contaminants, that would prevent safe handling or assembly





- •No cracks or excessive corrosion in welds or surrounding metal
- •No cracks or excessive corrosion in castings
- Joints at right-angle





- •In place and straight •No cuts, dents or excessive corrosion
- Securely retained but floating on pin
- •No damage or excessive wear to 12mm location hole
- •Plastic end cap in place





- **Built-in Ladders**
- •Sides and rungs straight with no cracks, cuts or excessive corrosion •No cracks or excessive corrosion in welds or surrounding metal
- •Rungs in place and secure
- •No excessive paint, plaster, oils and other contaminants





- Spring Interlock Clip
 - Clips in place and operate correctly •No distortion or excessive corrosion
 - •Pin secure and not worn





- Folding Base Frames
 - Frames open and close
 - •Retaining pin in place, undamaged and engages correctly All fixings secure





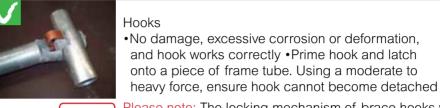
·Labels securely attached and legible

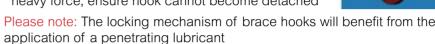
BRACES





- •Maximum deflection 5mm in 1000mm length •No excessive denting or creasing •No more than one dent in a 300mm length
- No cracks, cuts, holes or excessive corrosion
- Tubes sufficiently clean and free from paint, plaster and other contaminants, that would prevent safe handling or assembly





STABILISERS







- •Maximum deflection 5mm in 1000mm length •No excessive denting or
- creasing •No more than one dent in a 300mm length •No cracks, cuts, holes or excessive corrosion, or excessive paint, plaster etc.
- Telescopic tubes move freely •Retaining clip in place, undamaged and operates





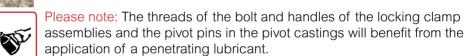


- Clamps, bolt and handle in place and undamaged
- No cracks in clamp casting
- •No excessive wear in bolt and handle threads •Pivots rotate freely Clamp tightens securely on frame tube



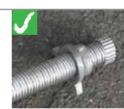


- Pivoting versions rotate freely •No cracks, excessive wear or other damage
- Check security of the rivets fixing the plastic pad/foot



ADJUSTABLE LEG





 Operates correctly and stem is straight, free from dents with a maximum deflection of 5mm over the entire length •No cracks, cuts or holes or excessive corrosion • Check retaining spring in place • Leg fits into frame tube and is retained by the spring •Castor fits into adjustable leg



Please note: The thread of the adjustable leg and nut will benefit from the application of a penetrating lubricant

CASTORS





- Check brake operates correctly •No excessive wear or damage in the wheel, spigot and swivel bearings
- •Ball retains castor in adjustable leg
- - - Base plates: •No excessive buckling or corrosion
 - •Plate secure on stem •Fit base plate into adjustable leg and check it is retained in position



Please note: The thread of the adjustable leg and nut will benefit from the application of a penetrating lubricant

TOE BOARDS & TOE BOARD CLIPS





- No splits or cracks
- •No excessive warping
- Fit clip to tower tube to check operates correctly



The Knowledge is a training programme developed by the HSE. Safety and Access Ltd and Youngman specifically for the access equipment stockist and end user. Visit: youngmangroup.com for more information. * All work equipment inspections should be documented and carried out by a competent person

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