



# HIGH PRECISION AUTOMATIC LEVELS



**CST/berger SAL-24**  
MAGNIFICATION 24X  
**LEVELLING ACCURACY**  
+/- 1.6mm @ 45m  
(1km double levelling run +/- 2mm)



**CST/berger SAL-28**  
MAGNIFICATION 28X  
**LEVELLING ACCURACY**  
+/- 1.6mm @ 60m  
(1km double levelling run +/- 1.5mm)



**CST/berger SAL-32**  
MAGNIFICATION 32X  
**LEVELLING ACCURACY**  
+/- 1.6mm @ 75m  
(1km double levelling run +/- 1mm)



**Nikon AC-2S**  
MAGNIFICATION 24X  
**LEVELLING ACCURACY**  
1km double levelling run +/- 2mm



**Nikon AP-8**  
MAGNIFICATION 28X  
**LEVELLING ACCURACY**  
1km double levelling run +/- 1.5mm



**Nikon AS-2**  
MAGNIFICATION 34X  
**LEVELLING ACCURACY**  
1km double levelling run +/- 0.8mm

## CST/berger

Founded in the USA in 1903, Chicago Steel Tape (today known as CST/berger) began as a manufacturer of steel measuring tapes. As a result of over 100 years of manufacturing experience, state-of-the-art technologies, and the addition of products for the building and construction markets, CST/berger has become one of the USA's largest, manufacturers of building and construction instruments.

## Nikon

The Nikon name rarely requires an introduction. Nikon is widely renowned as one of Japan's and the world's premier optical manufacturers. Their wide range of optical surveying, electronic products and imaging technologies have been leading the world for years. The name says it all.



## SPECIFICATIONS

|   | CST/berger |            |            | Nikon       |             |             |
|---|------------|------------|------------|-------------|-------------|-------------|
|   | SAL24      | SAL28      | SAL32      | AC-2S       | AP-8        | AS-2        |
| <b>Magnification</b>                    | 24x        | 28x        | 32x        | 24x         | 28x         | 34x         |
| <b>Aperture</b>                         | 36mm       | 40mm       | 40mm       | 30mm        | 30mm        | 45mm        |
| <b>Minimum Focus</b>                    | 0.3m       | 0.3m       | 0.3m       | 0.75m       | 0.75m       | 1m          |
| <b>Stadia Ratio</b>                     | 1:100      | 1:100      | 1:100      | 1:100       | 1:100       | 1:100       |
| <b>Std deviation per 1km double run</b> | 2.0mm      | 1.5mm      | 1.0mm      | 2.0mm       | 1.5mm       | 0.8mm       |
| <b>Suspension</b>                       | wire hung  | wire hung  | wire hung  | wire hung   | wire hung   | wire hung   |
| <b>Dampening</b>                        | magnetic   | magnetic   | magnetic   | magnetic    | magnetic    | air         |
| <b>Compensator range</b>                | +/-15'     | +/-15'     | +/-15'     | +/-16'      | +/-16'      | +/-12'      |
| <b>Tangent screw</b>                    | infinite   | infinite   | infinite   | infinite    | infinite    | infinite    |
| <b>Vial sensitivity</b>                 | 8' per 2mm | 8' per 2mm | 8' per 2mm | 10' per 2mm | 10' per 2mm | 10' per 2mm |



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www.accurate.net.nz



**CALL FREE**  
0508 222 872



**EMAIL**  
sales@accurate.net.nz