

# TECHNICAL DATA SHEET



## NEXUS CORE

### DESCRIPTION

Modern, recreational styled Safety Helmet with 'Micro Peak' for optimum visibility. Includes premium Dry-Tech sweatband for maximum comfort, helping the wearer to stay cool and productive for longer.

### SPECIFICATION

|                                  | Code   | Option                   | Weight |
|----------------------------------|--|--------------------------|--------|
| Product Codes and Helmet Options | S16E*R   | Wheel Ratchet Non-Vented | 386gm  |
|                                  | S16E*RF  | Wheel Ratchet Vented     | 386gm  |
|                                  | S16E*A   | Slip Ratchet Non-Vented  | 367gm  |
|                                  | S16E*F   | Slip Ratchet Vented      | 367gm  |
| Size                             | 51 - 63cm (Slip Ratchet)<br>52 - 64cm (with Premium 'Twist2Fit' Wheel Ratchet) |                          |        |
| Peak                             | Micro (20mm)   |                          |        |

\* Insert colour code of helmet.



### MATERIALS

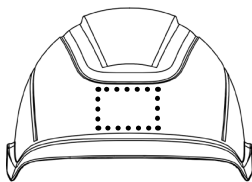
|               |   |
|---------------|---|
| Shell         | ABS (Acrylonitrile-Butadiene-Styrene)   |
| Cradle        | 6 Point Terylene webbing                |
| Headband      | LDPE (Low Density Polyethylene)         |
| Sweatband     | Dry-Tech (Polyester)                    |
| Wheel Ratchet | Acetal with HDPE Straps, Black Foam 3mm |

### COLOURS

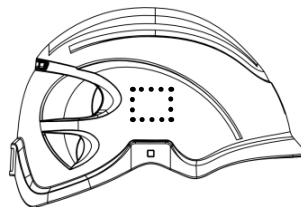
|             | White | Blue | Red  | Yellow | Orange | Green | Light Blue | Black | Grey | High-Vis Yellow | High-Vis Orange |
|-------------|-------|------|------|--------|--------|-------|------------|-------|------|-----------------|-----------------|
| Colour Code | W     | B    | R    | Y      | O      | G     | LB         | K     | E    | HVY             | HVO             |
| RAL         | 9010  | 5026 | 3031 | 1018   | 2003   | 6036  | 5005       | 9005  | 5000 | 1026            | 2005            |
| Pantone     | White | 2768 | 1807 | 109    | 1505   | 343   | 2935       | Black | 7545 | 809             | 1655            |

Please note: the closest matching RAL colours are listed.

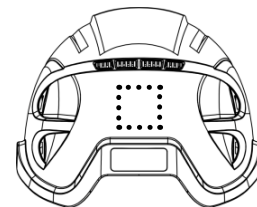
### CORPORATE BADGING



| Front |      |
|-------|------|
| ↔     | 75mm |
| ↑↓    | 40mm |



| Sides |      |
|-------|------|
| ↔     | 50mm |
| ↑↓    | 40mm |



| Rear |      |
|------|------|
| ↔    | 50mm |
| ↑↓   | 50mm |

## EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS

| Product                         | EN 397:2012 + A1:2012    |                          |                   |                                   | Options outside the scope of EN 397 |                          | EN 50365:2002 (1000V a.c.)<br>For use on low voltage insulations | ANSI/ISEA Z89.1-2014 Type 1  |                        |                          | Options outside the scope of ANSI/ISEA | CSA/ CAN Z94.1-05 Type 1     |                        | Tested to the performance requirements of AS/NZS 1801:1997 Type 1 |
|---------------------------------|--------------------------|--------------------------|-------------------|-----------------------------------|-------------------------------------|--------------------------|--|------------------------------|------------------------|--------------------------|--|------------------------------|------------------------|---|
|                                 | Lateral Deformation (LD) | - 30°C (Low Temperature) | Molten Metal (MM) | 440V a.c. (Electrical Resistance) | 1000V a.c. (Electrical Resistance)  | - 40°C (Low Temperature) |  | Class C (Conductive 0V a.c.) | Class E (20,000V a.c.) | - 30°C (Low Temperature) | - 40°C (Low Temperature)               | Class C (Conductive 0V a.c.) | Class E (20,000V a.c.) |   |
| Wheel Ratchet Non-Vented S16E*R | ✓                        | ✓                        | ✓                 | ✓                                 | ✓                                   | ✓                        | ✓  | ✓                            | ✓                      | ✓                        | ✓                                      | ✓                            | ✓                      | ✓   |
| Wheel Ratchet Vented S16E*RF    | ✓                        | ✓                        | ✓                 |                                   |                                     | ✓                        | ✓  | ✓                            |                        | ✓                        | ✓                                      |                              | ✓                      | ✓   |
| Slip Ratchet Non-Vented S16E*A  | ✓                        | ✓                        | ✓                 | ✓                                 | ✓                                   | ✓                        | ✓  |                              | ✓                      | ✓                        | ✓                                      |                              |                        | ✓   |
| Slip Ratchet Vented S16E*F      | ✓                        | ✓                        | ✓                 |                                   |                                     | ✓                        | ✓  | ✓                            |                        | ✓                        | ✓                                      |                              |                        | ✓   |

## NEXUS ANTI STATIC SYSTEM

The Nexus safety helmet and specific system accessories can be used in explosive atmospheres as it provides anti static protection according to IEC 60079-32-2:2015 Electrostatics hazards tests.

| Product  | Gas Zone 0 |     |     | Gas Zone 1 |     |     | Gas Zone 2 |      |      | Dust Zone 20 |      |      | Dust Zone 21 |      |      | Dust Zone 22 |      |      |
|--|------------|-----|-----|------------|-----|-----|------------|------|------|--------------|------|------|--------------|------|------|--------------|------|------|
|  | IIA        | IIB | IIC | IIA        | IIB | IIC | IIIA       | IIIB | IIIC | IIIA         | IIIB | IIIC | IIIA         | IIIB | IIIC | IIIA         | IIIB | IIIC |
| Nexus Core with or without Reflective stickers and with Nexus Integrated Eyewear (S589/S589SE)                     | ✓          | ✓   |     | ✓          | ✓   | ✓   | ✓          | ✓    | ✓    | ✓            | ✓    | ✓    | ✓            | ✓    | ✓    | ✓            | ✓    | ✓    |
| Nexus Core with Baltic Ear Defender (S41CE)  | ✓          |     |     | ✓          | ✓   |     | ✓          | ✓    |      | ✓            | ✓    | ✓    | ✓            | ✓    | ✓    | ✓            | ✓    | ✓    |
| Nexus Core with Contour Carrier (S55) and Multi Purpose Face Screen (S810) and/or with Aegean Ear Defender (S41CE) |            |     |     | ✓          |     |     | ✓          |      |      | ✓            | ✓    | ✓    | ✓            | ✓    | ✓    | ✓            | ✓    | ✓    |

## ACCESSORIES

|                           |  |
|---------------------------|--|
| Face                      | Compatible with Euro and Contour range of Face protection (carriers and face screens)  |
| Accessory Clips           | S565 Euro Clip sets for fitting safety helmet accessories. For Contour System, use S585 clips (also supplied with Contour Carrier)                                       |
| Ear                       | Compatible with Centurion helmet mounted Scala XI S72CE and Scala X S71CE Ear Defenders (supplied with S565 Euro accessory clips)  |
| Eye                       | Clear S589 or Smoke Grey S589SE moulded Polycarbonate Eye Shield with anti scratch/fog coating   |
| Stickers                  | S30NHIRS High Intensity Reflective Sticker sets available in a range of colours. Material meets the specification requirements of EN 12899-1 Ra2. Not fitted as standard |
| SecurePlus Chinstrap      | S30LY 4 point quick release EN 397 Black Chinstrap to convert Core to SecurePlus   |
| HeightMaster Chinstrap    | S30NY replaceable 4 point adjustable EN 12492 Blue Chinstrap combines with the S30NL Liner to convert Core to HeightMaster (for vented shell only)                       |
| HeightMaster Liner        | S30NL Liner combines with the S30NY Chinstrap to provide approval to EN 12492, converting Core to HeightMaster (for vented shell only)                                   |
| Sweatband                 | S31D Dry-Tech sweatband  |
| Cradle with Slip Ratchet  | S33/34 Terylene Cradle with Dry-Tech Sweatband   |
| Cradle with Wheel Ratchet | S33/35 Terylene Cradle with Premium 'Twist2Fit' Wheel Ratchet and Dry-Tech Sweatband   |

## PACKAGING AND MAINTENANCE

|           |   |
|-----------|---|
| Packaging | 5 per colour, box size 28 x 22 x 50cm, box weight 2.22kg (S16E* A/F), 2.32kg (S16E* R/RF)   |
| Storage   | Can be stored and transported in their original cartons at ambient temperature (0°C to + 30°C)<br>May be stored in the dark for up to 5 years<br>Do not store in direct/high heat or sunlight as this may distort the shell |
| Lifetime  | The Centurion helmet has an in-use life of up to 5 years<br>Excessive wear and tear can considerably reduce the lifespan of the product   |
| Cleaning  | Clean using warm soapy water and soft cloth   |
| Disposal  | Recycling is preferred when possible. Look out for the recycling symbol for material category   |