

# Hexagon Nut And Screw Head Covers

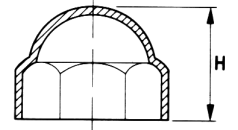
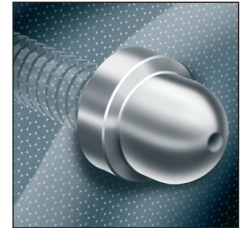
| PART NUMBER |          | Nominal Thread Size | Across Flats Hexagon | H    |
|-------------|----------|---------------------|----------------------|------|
| Black       | White    |                     |                      |      |
| *1639575    | *1639581 | M4                  | 6.9                  | 8.7  |
| *1639576    | *1639582 | M5                  | 7.9                  | 10.7 |
| *1639577    | *1639583 | M6                  | 9.8                  | 13.0 |
| 1639578     | 1639585  | M8                  | 13.0                 | 15.0 |
| 1639579     | 1639586  | M10                 | 16.7                 | 19.5 |
| 1639580     | 1639587  | M12                 | 18.7                 | 21.5 |

Material: Low Density Polyethylene

RoHS Directive 2002/95/EC compliant



- Protects and gives a neat finish to exposed metal hexagon nuts and screw heads
- Quick and simple to install



This part has a circular external form and a hexagonal internal form and is suitable for Hexagon Head screws and nuts. Parts marked \* will also fit the appropriate size Metric Cheese Head Screw (Chapter 6)

## Material Properties

| Mechanical/Physical Properties | Units             | Value |
|--------------------------------|-------------------|-------|
| Density                        | g/cm <sup>3</sup> | 0.924 |
| Water Absorption               | %                 | 0.01  |
| Tensile Strength, Yield        | MPa               | 11.0  |
| Elongation at Yield            | %                 | 14.5  |
| Tensile Modulus                | GPa               | 0.260 |

| Electrical Properties       | Units  | Value      |
|-----------------------------|--------|------------|
| Electrical Resistivity      | ohm-cm | ≥ 1.00e+15 |
| Surface Resistivity         | ohm    | 1.00e+14   |
| Dielectric Constant (1 MHz) | -      | 2.30       |

| Thermal Properties                     | Units | Value |
|----------------------------------------|-------|-------|
| Melting Point                          | °C    | 111   |
| Short Term Minimum Working Temperature | °C    | -40   |
| Short Term Maximum Working Temperature | °C    | 55    |
| Flammability                           | UL94  | HB    |
| Oxygen Index                           | %     | 17.0  |

Above information is for guidance only and should not be used to establish specifications or as the basis of a design

# Hinged Screw Covers

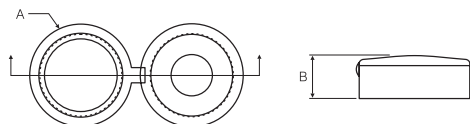
| PART NUMBER |         |         |         | Screw Size       | A    | B   |
|-------------|---------|---------|---------|------------------|------|-----|
| Black       | White   | Red     | Green   |                  |      |     |
| 1639588     | 1639591 | 1639594 | 1639598 | M3/M4 & N°4      | 11.5 | 5.0 |
| 1639589     | 1639592 | 1639595 | 1639599 | M4/M5 & N°8/N°10 | 13.7 | 5.5 |
| 1639590     | 1639593 | 1639597 | 1639600 | M6 & 1/4"        | 17.4 | 6.5 |

Material: Polypropylene

- All-in-one base and cover
- Cap snaps into base to give a neat and decorative finish

Available in matt finish only

RoHS Directive 2002/95/EC compliant



## Material Properties

| Mechanical/Physical Properties | Units   | Value |
|--------------------------------|---------|-------|
| Density                        | g/cm³   | 0.9   |
| Hardness                       | Shore D | 71    |
| Tensile Strength, Yield        | MPa     | 35.9  |
| Elongation at Yield            | %       | 490   |
| Flexural Modulus               | GPa     | 1.39  |

| Thermal Properties                | Units | Value |
|-----------------------------------|-------|-------|
| Deflection Temperature at 0.45MPa | °C    | 104   |
| Vicat Softening Temperature       | °C    | 150   |

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## Pop-On Screw Covers

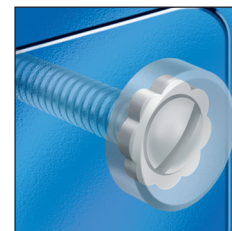
**DURATOOL**

TOUGH **TOOLS** FOR TOUGH JOBS

| PART NUMBER |         |         |         | Screw Size | A    | B   |
|-------------|---------|---------|---------|------------|------|-----|
| Black       | White   | Red     | Green   |            |      |     |
| 1639601     | 1639605 | 1639608 | 1639611 | M3/M4      | 12.7 | 5.1 |
| 1639603     | 1639606 | 1639609 | 1639612 | M4/M5      | 16.0 | 6.5 |
| 1639604     | 1639607 | 1639610 | 1639613 | M6         | 17.8 | 6.6 |

Material: Polypropylene

- Can also be used with No 4, 6, 8, 10 and 1/4 - 20 screws



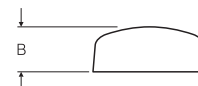
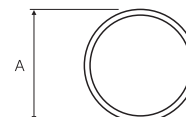
RoHS Directive 2002/95/EC compliant



Allow approximately 0.50 extra for assembled height



*These parts must be used with Pop-On Screw Cover Bases - see below*



## Pop-On Screw Cover Bases

**DURATOOL**

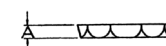
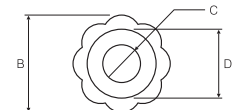
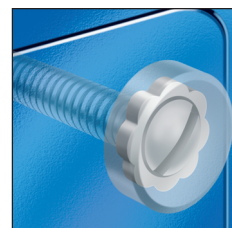
TOUGH **TOOLS** FOR TOUGH JOBS

| PART NUMBER | To Fit Pop-on Screw Covers | Screw Size           | A   | B    | C   | D    |
|-------------|----------------------------|----------------------|-----|------|-----|------|
| 1639615     | 1639601 to 1639611         | M3 & No4 Pan         | 2.9 | 10.5 | 3.0 | 7.0  |
| 1639616     | 1639601 to 1639611         | M3.5 & No6 Pan       | 2.9 | 10.5 | 3.8 | 7.0  |
| 1639617     | 1639601 to 1639611         | M3/M4 & No4/No8 CSK  | 2.9 | 10.5 | 3.8 | -    |
| 1639618     | 1639603 to 1639612         | M4 & No8 PAN         | 3.2 | 12.7 | 4.5 | 9.3  |
| 1639619     | 1639603 to 1639612         | M5 & No10 PAN        | 3.2 | 12.8 | 5.0 | 9.3  |
| 1639620     | 1639603 to 1639612         | M4/M5 & No8/No10 CSK | 3.2 | 12.8 | 5.0 | -    |
| 1639621     | 1639604 to 1639613         | M6 & 1/4" PAN        | 3.2 | 15.7 | 6.2 | 12.4 |
| 1639622     | 1639604 to 1639613         | M6 & 1/4" CSK        | 3.3 | 15.7 | 6.2 | -    |

Material: Polypropylene  
Colour: Natural

- Pop-on screw covers and bases may be used with:- flat head nails, countersunk screws, self tapping screws, rivets, drive screws, machine screws, washer faced screws and other types of fasteners
- Cover locks firmly onto base to provide a neat and decorative finish

RoHS Directive 2002/95/EC compliant



## Material Properties

| Mechanical/Physical Properties | Units             | Value |
|--------------------------------|-------------------|-------|
| Density                        | g/cm <sup>3</sup> | 0.9   |
| Hardness                       | Shore D           | 71    |
| Tensile Strength, Yield        | MPa               | 35.9  |
| Elongation at Yield            | %                 | 490   |
| Flexural Modulus               | GPa               | 1.39  |

| Thermal Properties                | Units | Value |
|-----------------------------------|-------|-------|
| Deflection Temperature at 0.45MPa | °C    | 104   |
| Vicat Softening Temperature       | °C    | 150   |

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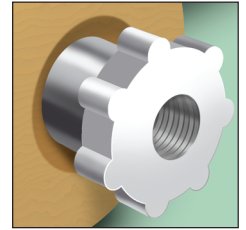
# Metric Knurled Thumb Nuts



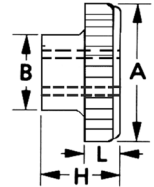
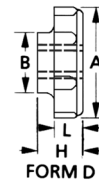
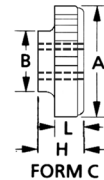
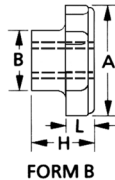
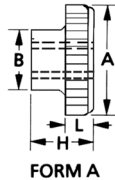
TOUGH **TOOLS** FOR TOUGH JOBS

| PART NUMBER | Thread Size | A    | B   | H   | L   | Form |
|-------------|-------------|------|-----|-----|-----|------|
| 1639623     | M3 x .5     | 12.0 | 7.0 | 7.0 | 3.5 | A    |
| 1639624     | M4 x .7     | 12.0 | 7.0 | 7.0 | 3.5 | A    |
| 1639625     | M5 x .8     | 16.0 | 9.5 | 8.0 | 4.5 | A    |
| 1639627     | M6 x 1.0    | 16.0 | 9.5 | 8.0 | 4.5 | A    |
| 1639628     | M4 x .7     | 16.0 | 9.5 | 8.0 | 4.5 | B    |
| 1639629     | M5 x .8     | 16.0 | 9.5 | 8.0 | 4.5 | B    |
| 1639630     | M6 x 1.0    | 16.0 | 9.5 | 8.0 | 4.5 | B    |

| PART NUMBER | Thread Size | A    | B    | H   | L   | Form |
|-------------|-------------|------|------|-----|-----|------|
| 1639631     | M4 x .7     | 16.0 | 10.0 | 6.0 | 4.5 | C    |
| 1639632     | M5 x .8     | 16.0 | 10.0 | 6.0 | 4.5 | C    |
| 1639633     | M6 x 1.0    | 16.0 | 10.0 | 6.0 | 4.5 | C    |
| 1639634     | M4 x .7     | 16.0 | 10.0 | 6.0 | 4.5 | D    |
| 1639635     | M5 x .8     | 16.0 | 10.0 | 6.0 | 4.5 | D    |
| 1639636     | M6 x 1.0    | 16.0 | 10.0 | 6.0 | 4.5 | D    |



Material: Nylon 66  
 Colour: White  
 RoHS Directive 2002/95/EC  
 compliant



| Thread Size | Suggested Max. Tightening Torque (Nm) for Nylon 6,6 screws as per DIN3481X |
|-------------|----------------------------------------------------------------------------|
| M3          | 0.10                                                                       |
| M4          | 0.25                                                                       |
| M5          | 0.50                                                                       |
| M6          | 0.80                                                                       |

N/A = Test data not available  
 1Nm = 8.851lbf-in

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## Material Properties

Values measured at 23°C @ 50% RH

| Mechanical/Physical Properties | Units             | Value |
|--------------------------------|-------------------|-------|
| Density                        | g/cm <sup>3</sup> | 1.14  |
| Water Absorption               | %                 | 1.3   |
| Tensile Strength at Break      | MPa               | 55    |
| Elongation at Yield            | %                 | 30    |
| Tensile Modulus                | GPa               | 1.50  |

| Electrical Properties  | Units  | Value     |
|------------------------|--------|-----------|
| Electrical Resistivity | ohm-cm | ≥1.00e+14 |
| Surface Resistivity    | ohm    | 0.10e+14  |
| Dielectric Strength    | kV/mm  | 26        |

| Thermal Properties                     | Units | Value |
|----------------------------------------|-------|-------|
| Melting Point                          | °C    | 263   |
| Short Term Minimum Working Temperature | °C    | -40   |
| Short Term Maximum Working Temperature | °C    | 110   |
| Flammability                           | UL94  | V2    |
| Oxygen Index                           | %     | 26.5  |

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