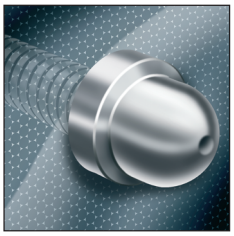
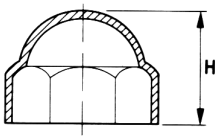
Hexagon Nut And Screw Head Covers

DURATOOL
TOUGH TOOLS FOR TOUGH JOBS

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 RoHS ✓

- 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^3	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

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Hinged Screw Covers

DURATOOL
TOUGH TOOLS FOR TOUGH JOBS

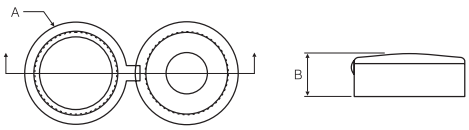
PART NUMBER				Screw Size	A	B
Black	White	Red	Green			
1639588	1639591	1639594	1639598	M3/M4 & N°4	11.5	5.0
1639589	1639592	1639595	1639599	M4/M5 & N°8/N°10	13.7	5.5
1639590	1639593	1639597	1639600	M6 & 1/4"	17.4	6.5

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 RoHS ✓



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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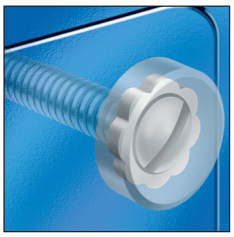
Pop-On Screw Covers

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

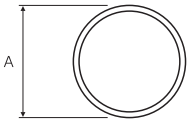


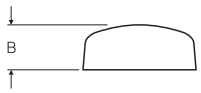
Material: Polypropylene

- Can also be used with No 4, 6, 8, 10 and ¼ - 20 screws

RoHS Directive 2002/95/EC compliant RoHS ✓

Allow approximately 0.50 extra for assembled height



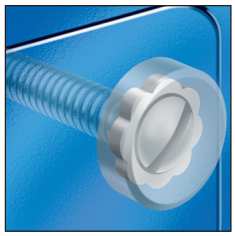


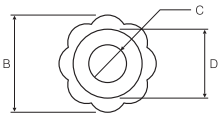
These parts must be used with Pop-On Screw Cover Bases - see below

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

RoHS Directive 2002/95/EC compliant RoHS ✓

- 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

Material Properties

Mechanical/Physical Properties	Units	Value
Density	**g/cm^3**	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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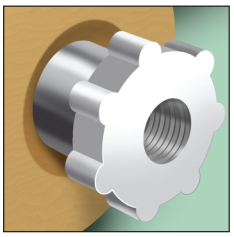
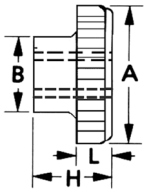
Metric Knurled Thumb Nuts

DURATOOL
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

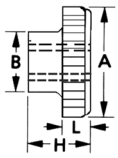
PART NUMBER	Thread Size	A	B	H	L	Form
1639631	M4 x .7	16.0	10.0	6.0	4.5	C
1639632	M5 x .8	16.0	10.0	6.0	4.5	C
1639633	M6 x 1.0	16.0	10.0	6.0	4.5	C
1639634	M4 x .7	16.0	10.0	6.0	4.5	D
1639635	M5 x .8	16.0	10.0	6.0	4.5	D
1639636	M6 x 1.0	16.0	10.0	6.0	4.5	D



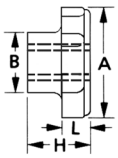


Material: Nylon 66
Colour: White
RoHS Directive 2002/95/EC compliant

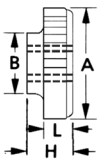
RoHS ✓



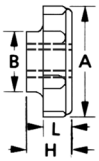
FORM A



FORM B



FORM C



FORM D

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

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

Material Properties

Values measured at 23°C @ 50% RH

Mechanical/Physical Properties	Units	Value
Density	**g/cm³**	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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