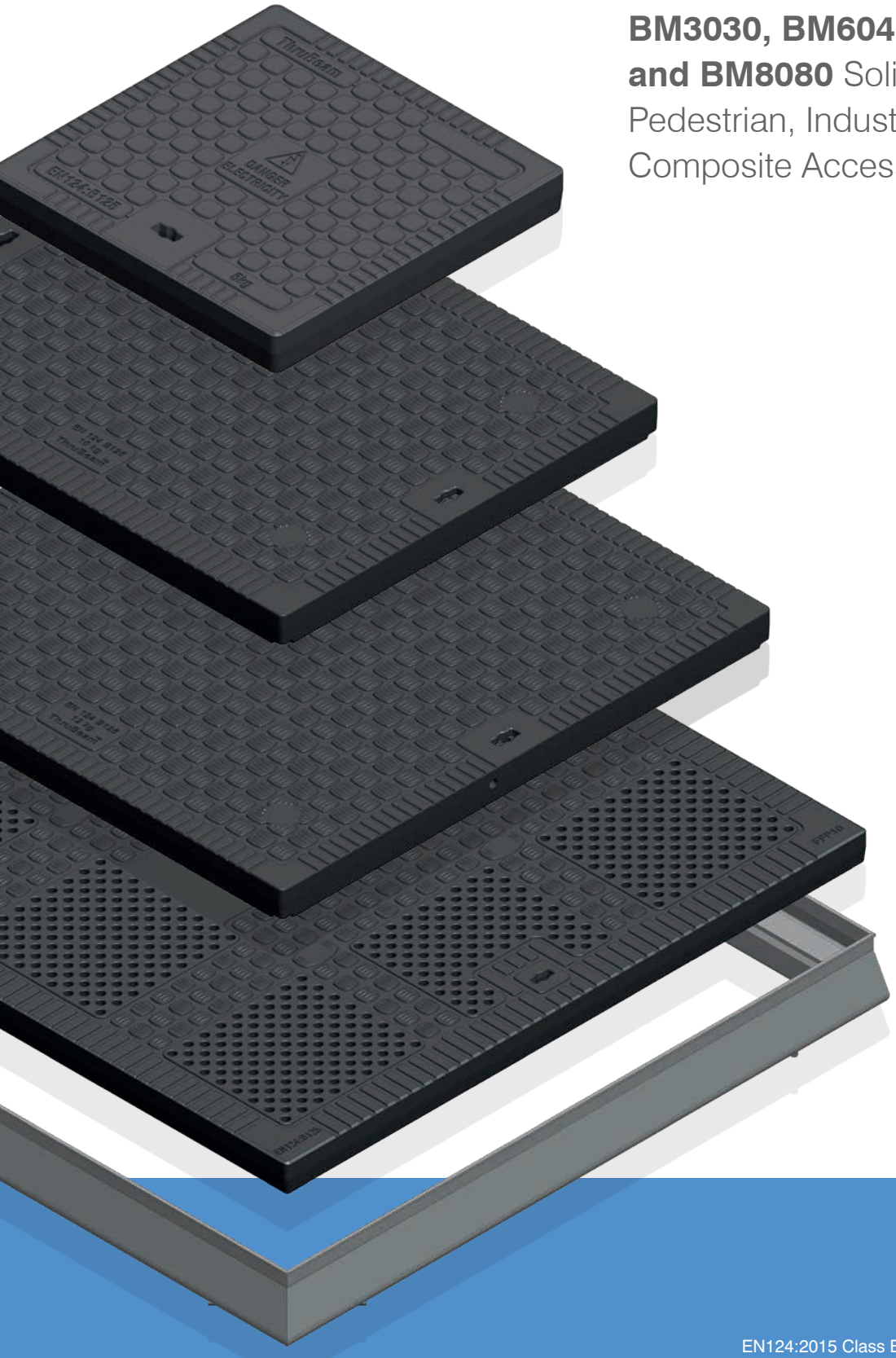
The appliance of composite science to underground access covering

ThruBeam®
COVERS

B125 Range

BM3030, BM6045, BM6060 and BM8080 Solid and Vented Pedestrian, Industrial and Utilities Composite Access Covers



SSC®

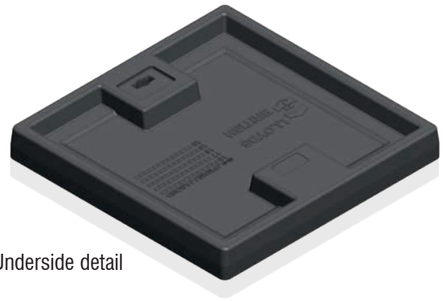
EN124:2015 Class B125 Composite Access Covers

BM3030 300x300mm - Solid

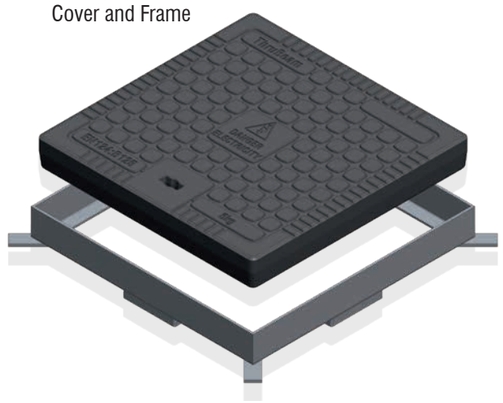
Rectangular Pedestrian, Industrial and Utilities
Composite Access Covers

Cover

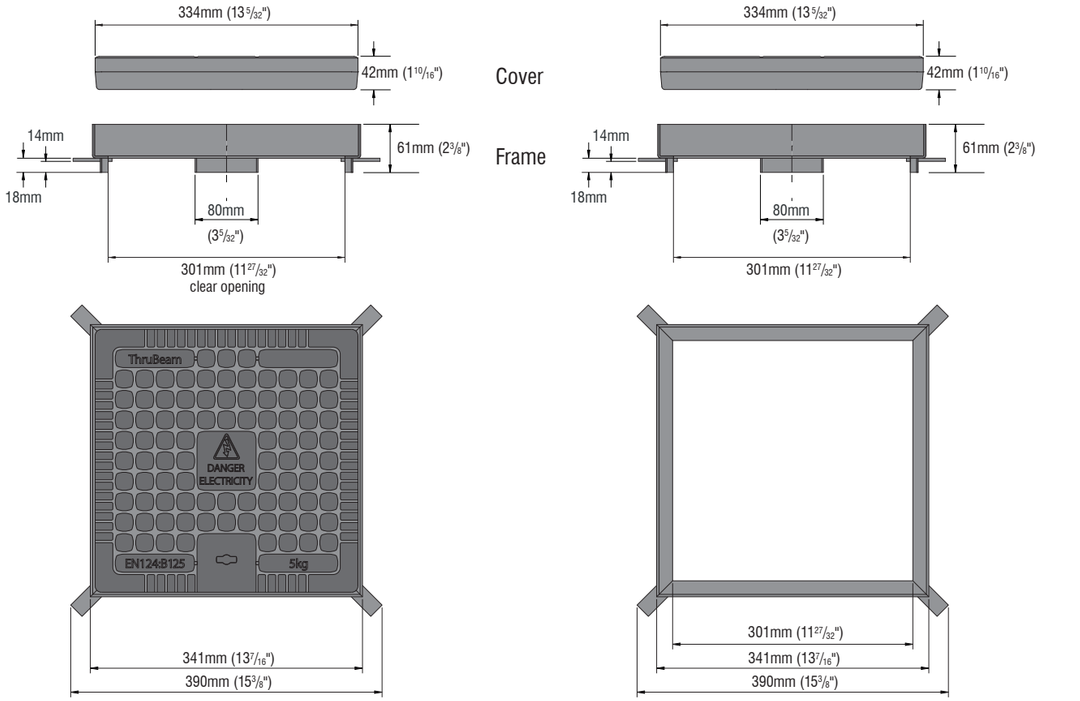
Underside detail



Cover and Frame



Dimensions



The frame is to be installed to the appropriate standard/specification for that particular installation.
For reference purposes only. This drawing is not a specification.

ThruBeam® COVERS

Technical Specification

EN124:2015 Class B125

BM3030 300x300mm Solid

Rectangular Pedestrian, Industrial and Utilities
Composite Access Cover

Cover Specification

Load Rating:	EN124:2015 Class B125
Clear Opening:	301 x 301mm (11 27/32" x 11 27/32")
External Dimensions:	334 x 334 x 42mm (13 5/32" x 13 5/32" x 1 10/16")
Skid Resistance (wet polishes)	PSRV 60
Weight:	5kg (11lb) Combined weight with single frame 11kg (24.2lb)
Lifting points:	Single moulded in key slots
Tread depth:	Tread depth complies with EN124:2015 Class B125
Tread type:	Embedded aggregate
Markings:	Week, year and location of manufacture on the underside of cover. Cover class and weight on the top surface.
Corrosion/Chemical resistance:	All component parts are resistant to chemical attack, diesel, petrol, salt and water or a combination of the above over the lifespan of the cover. Surface discolouration is acceptable in service.
Combustion properties:	All component parts do not support combustion. Products of combustion do not contain harmful chemicals (e.g. bromides)
Sealed:	No
Carbon footprint:	Low
Material:	Advanced fibre glass composite
Client logo:	Can be provided on top surface
Security Features:	Locking mechanism

Frame Specification

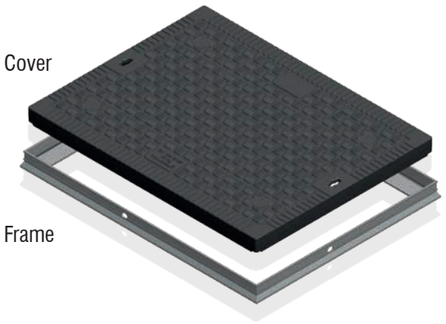
Load Rating:	EN124:2015 Class B125
Clear Opening:	301 x 301mm (11 27/32" x 11 27/32")
Weight:	6kg (13.2lb)
External Dimensions:	401 x 401 x 137mm (15 25/32" x 15 25/32" x 5 3/8")
Material:	Mild Steel
Installation Details:	Provided in full as a separate document

Designs and specifications are subject to alteration, so that continuous improvement can be undertaken.

BM6045 600x450mm - Solid

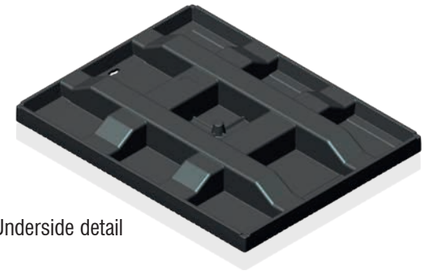
Rectangular Pedestrian, Industrial and Utilities
Composite Access Covers

Cover

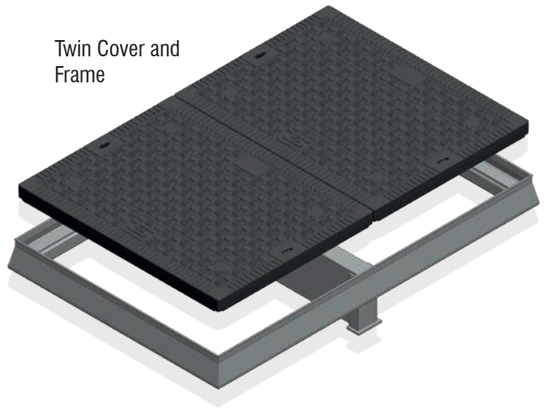


Frame

Underside detail

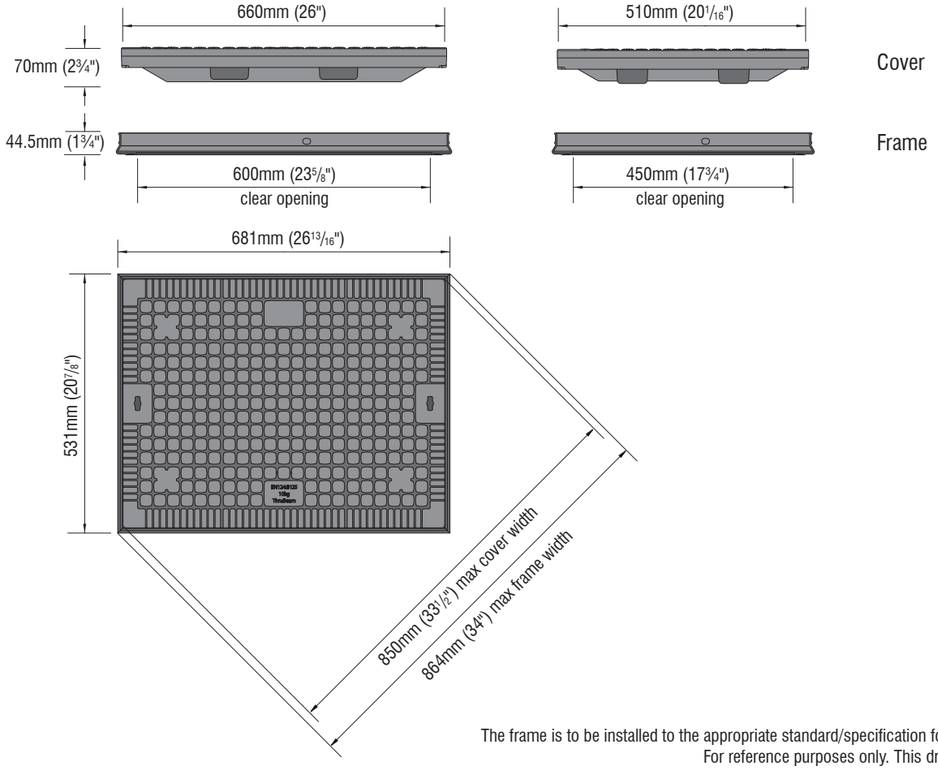


Twin Cover and
Frame



The BM6045 can also be supplied with a twin cover frame incorporating removable central beam to produce a 600x900mm access configuration.

Dimensions



The frame is to be installed to the appropriate standard/specification for that particular installation.
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ThruBeam® COVERS

Technical Specification

EN124:2015 Class B125
BM6045 600x450mm Solid
Rectangular Pedestrian, Industrial and Utilities
Composite Access Cover

Cover Specification

Load Rating:	EN124:2015 Class B125
Clear Opening:	600 x 450mm (23 5/8" x 17 3/4")
External Dimensions:	660 x 510 x 70mm (26" x 20" x 2 3/4")
Skid Resistance (wet polishes)	PSRV 60
Weight:	10kg (22lb) Combined weight with single frame 11.7kg (25.8lb)
Lifting points:	Two moulded in key slots
Tread depth:	Tread depth complies with EN124:2015 Class B125
Tread type:	Embedded aggregate
Markings:	Week, year and location of manufacture on the underside of cover. Cover class and weight on the top surface.
Corrosion/Chemical resistance:	All component parts are resistant to chemical attack, diesel, petrol, salt and water or a combination of the above over the lifespan of the cover. Surface discolouration is acceptable in service.
Combustion properties:	All component parts do not support combustion. Products of combustion do not contain harmful chemicals (e.g. bromides)
Sealed:	No
Carbon footprint:	Low
Material:	Advanced fibre glass composite
Client logo:	Can be provided on top surface
Security Features:	Locking mechanism

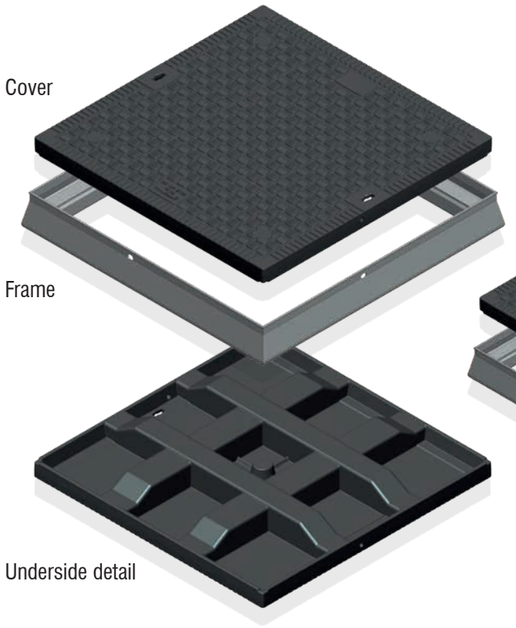
Frame Specification

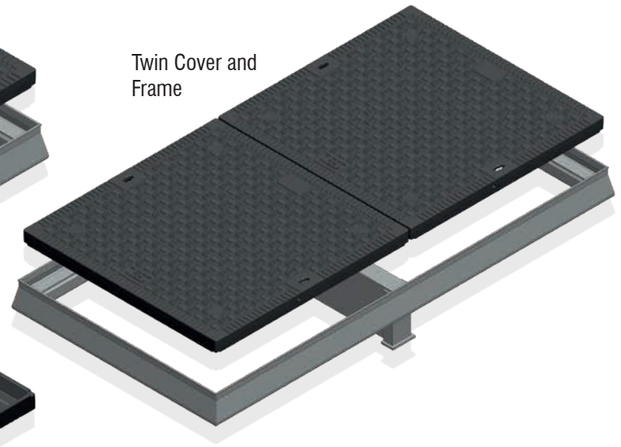
Load Rating:	EN124:2015 Class B125
Clear Opening:	600 x 450mm (23 5/8" x 17 3/4")
Weight:	1.7kg (3.7lb)
External Dimensions:	681 x 531 x 44.5mm (26 13/16" x 20 7/8" x 1 3/4")
Material:	Aluminium
Installation Details:	Provided in full as a separate document

Designs and specifications are subject to alteration, so that continuous improvement can be undertaken.

BM6060 600x600mm - Solid

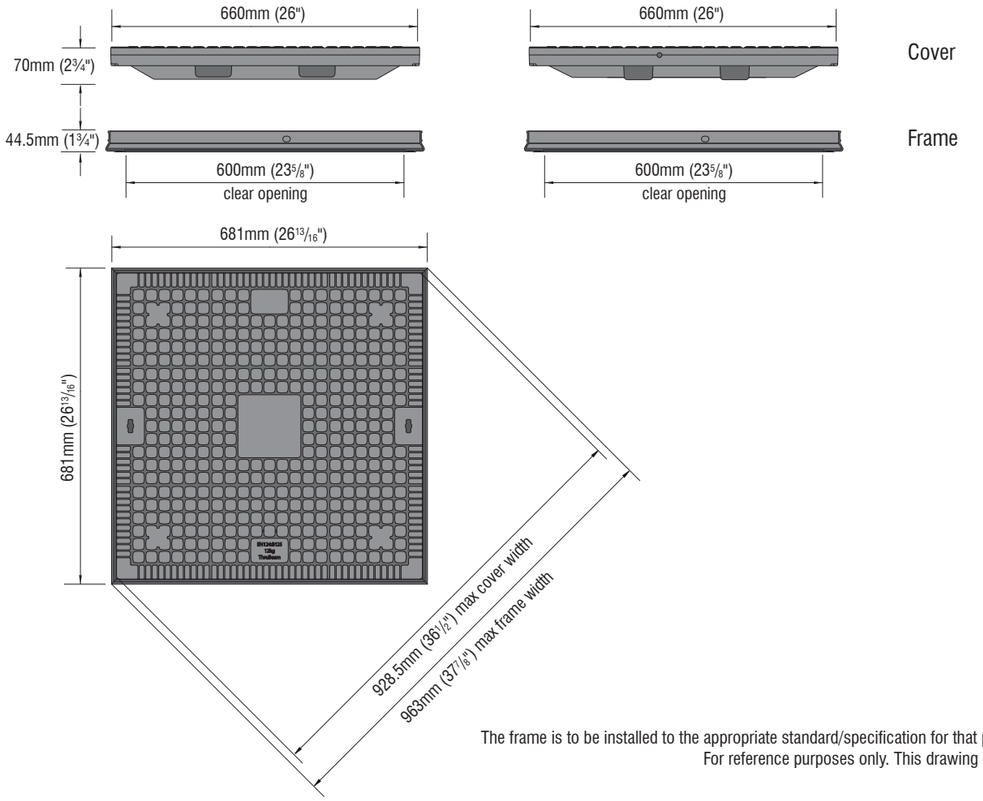
Square Pedestrian, Industrial and Utilities
Composite Access Covers





The BM6060 can also be supplied with a twin cover frame incorporating removable central beam to produce a 600x1200mm access configuration.

Dimensions



The frame is to be installed to the appropriate standard/specification for that particular installation.
For reference purposes only. This drawing is not a specification.

ThruBeam® COVERS

Technical Specification

EN124:2015 Class B125
BM6060 600x600mm Solid
Square Pedestrian, Industrial and Utilities
Composite Access Cover

Cover Specification

Load Rating:	EN124:2015 Class B125
Clear Opening:	600 x 600mm (23⅝" x 23⅝")
External Dimensions:	660 x 660 x 70mm (26" x 26" x 2¾")
Skid Resistance (wet polishes)	PSRV 60
Weight:	12kg (26.4lb) Combined weight with single frame 13.9kg (30.6lb)
Lifting points:	Two moulded in key slots
Tread depth:	Tread depth complies with EN124:2015 Class B125
Tread type:	Embedded aggregate
Markings:	Week, year and location of manufacture on the underside of cover. Cover class and weight on the top surface.
Corrosion/Chemical resistance:	All component parts are resistant to chemical attack, diesel, petrol, salt and water or a combination of the above over the lifespan of the cover. Surface discolouration is acceptable in service.
Combustion properties:	All component parts do not support combustion. Products of combustion do not contain harmful chemicals (e.g. bromides)
Vented:	No (vented covers available upon request)
Carbon footprint:	Low
Material:	Advanced fibre glass composite
Client logo:	Can be provided on top surface
Security Features:	Locking mechanism

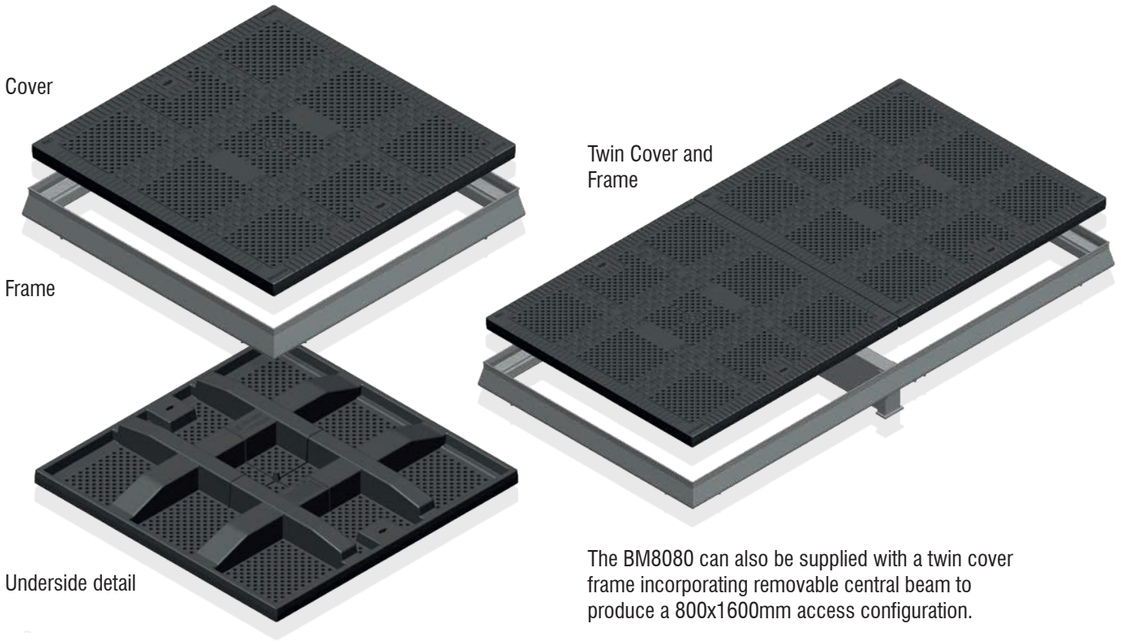
Frame Specification

Load Rating:	EN124:2015 Class B125
Clear Opening:	600 x 600mm (23⅝" x 23⅝")
Weight:	1.9kg (4.2lb)
External Dimensions:	681 x 681 x 44.5mm (26 13/16" x 26 13/16" x 1¾")
Material:	Aluminium
Installation Details:	Provided in full as a separate document

Designs and specifications are subject to alteration, so that continuous improvement can be undertaken.

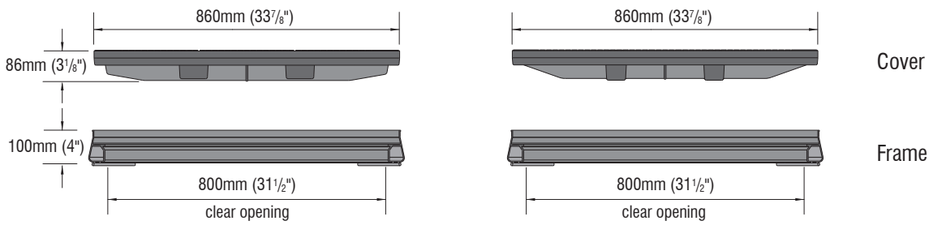
BM8080 800x800mm - Vented

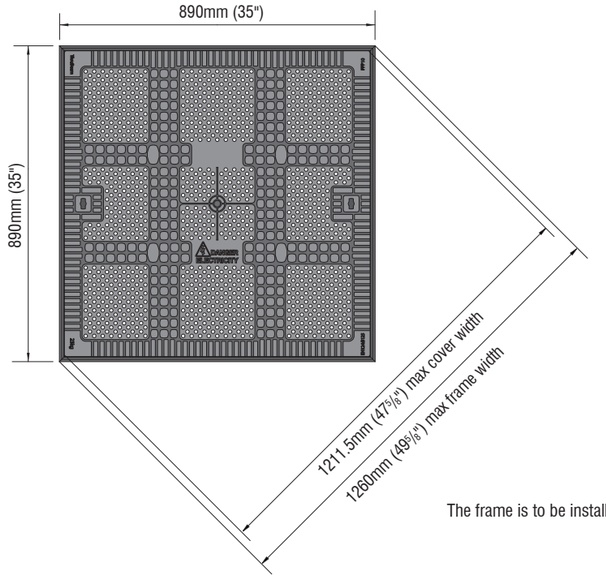
Square Pedestrian, Industrial and Utilities Composite Access Covers



The BM8080 can also be supplied with a twin cover frame incorporating removable central beam to produce a 800x1600mm access configuration.

Dimensions





The frame is to be installed to the appropriate standard/specification for that particular installation.
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ThruBeam® COVERS

Technical Specification

EN124:2015 Class B125

BM8080 800x800mm Vented

Square Pedestrian, Industrial and Utilities Composite Access Cover

Cover Specification

Load Rating:	EN124:2015 Class B125
Clear Opening:	800 x 800mm (31½" x 31½")
External Dimensions:	860 x 860 x 86mm (33⅞" x 33⅞" x 3⅛")
Skid Resistance (wet polishes)	PSRV 60
Weight:	21kg (46.3lb) Combined weight with single frame 28kg (61.7lb)
Lifting points:	Two moulded in key slots
Tread depth:	Tread depth complies with EN124:2015 Class B125
Tread type:	Embedded aggregate
Markings:	Week, year and location of manufacture on the underside of cover. Cover class and weight on the top surface.
Corrosion/Chemical resistance:	All component parts are resistant to chemical attack, diesel, petrol, salt and water or a combination of the above over the lifespan of the cover. Surface discolouration is acceptable in service.
Combustion properties:	All component parts do not support combustion. Products of combustion do not contain harmful chemicals (e.g. bromides)
Sealed:	No
Vented:	Yes (solid cover is also available)
Carbon footprint:	Low
Material:	Advanced fibre glass composite
Client logo:	Can be provided on top surface
Security Features:	Integrated restraint device and dual locking mechanism

Frame Specification

Load Rating:	EN124:2015 Class B125
Clear Opening:	800 x 800mm (31½" x 31½")
Weight:	7kg (15.4lb)
External Dimensions:	890 x 890 x 100mm (35" x 35" x 4")
Material:	Aluminium
Installation Details:	Provided in full as a separate document

Designs and specifications are subject to alteration, so that continuous improvement can be undertaken.

ThruBeam®
COVERS

The Benefits of a Structural Science composite cover over traditional covers

High structural performance
Meets European EN124 B125 standards.

Extended working life
Cover will not break or twist within frame. Frame manufactured to SSC designed aluminium profile. The torsional resistant frames eliminate many of the usual causes of wear with traditional covers.

Permanent anti-slip - pedestrian, cycle and motorbike friendly
Exceeds 0.60 co-efficient of friction even when wet and will retain this anti-slip value throughout its working life unlike conventional metal/GRP composite covers.

Secure and lockable
Can be supplied with or without a lock. Lock engages automatically on replacement of cover. Optional integrated restraint device is also available along with a high security key option.

Injury free removal
Single person removal and replacement without the risk of back injury utilising ergonomically designed lifting tool.

Reduced maintenance programmes
Longevity, ease of moving and superior performance reduces maintenance programs. Fitting a ThruBeam® cover is the best 'whole life' choice.

Ventable
Covers can be vented which helps prevent the build up of gases.
Holes conform to ADA regulations.

No residual value
Reduced risk of theft.

Transparent to radio waves
Negates the lifting of covers and helps promote better signals being transmitted thus improving asset management.

Non-corrosive
Will not corrode when in contact with other materials.
Unaffected by fuels, sand, salt and all chemicals met in road environments.

Electrically non-conductive or conductive
Will not conduct electricity, so stray voltage problems are negated.
Can be made conductive if required.

Colours available
Colours are available.
A colour matching service is also available.

Client design service
SSC project managed bespoke design services will use our patented ThruBeam® technology to design alternative size and shape solutions to meet customer requirements.

For further information relating to our full product range please go to **www.thrubeam.co.uk** and download the appropriate pdf file.

Structural Science Composites Ltd

8 James Freel Court, James Freel Close, Barrow In Furness, UK, LA14 2NG
T: +44 (0)1229 814340 E: covers@structuralscience.net W: www.thrubeam.co.uk