SOLOBLOC

HINGED 'LIFT ASSISTED, SINGLE PERSON OPERATION' HSE COMPLIANT

CPH3 TRIPLE LEAF

All Solobloc units are post galvanised in excess of BS EN 1461. Post Galvanised coating thickness is available in 3 grades of finish to suit the specific project geographical location. Solobloc units should be designed to cater for their intended application and should last the life of the project.

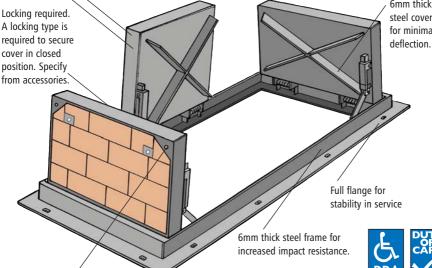
See chart on page 69 for the various grades of corrosion protection required to meet the designers obligations on Whole Life Costing for the project.

Inwardly tapered tray side to prevent jamming.





6mm thick steel cover for minimal



DDA Compliant Lifting points. 'Lift assisted HSE manual handling compliant for single person operation'



GA galvanizers association



Jones of Oswestry provides RIBA approved CPD support for designers and architects in the subject of true sustainable design. For further details email marketingsupport@ionesofoswestry.com



ALL TECHNICAL DETAILS ARE COPYRIGHT, AND MUST NOT BE REPRODUCED WITHOUT PRIOR CONSENT

GENERAL TECHNICAL DETAIL, COMPOSITION AND MANUFACTURE

APPLICATION

External paved areas where:-

- Aesthetic finish is important
- Public domain therefore anti slip and anti trip measures important
- DDA compliance is a design minimum
- Frequent access to chamber beneath by a single person is required.

MECHANICS. PERFORMANCE

In order to ensure the covers continue to perform for their design life all Jones Solobloc covers are tested to BS FN 124 load classifications as listed pg 68. Further design considerations

include deflection under actual live loading to protect finishes from damage in service.

Damaged or proud infill constitutes the most common complaint by the general public and constitutes a large part of injury claims on local authorities from slip and trip.

COMPOSITION AND MANUFACTURE

Covers are fully welded fabrications using a minimum of 6mm thick structural steel plate. Access covers are hinged and torsion spring assisted to allow

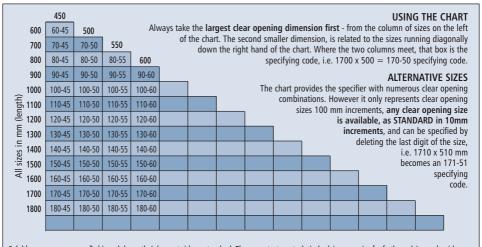
single person access in line with

HSE manual handling guidelines.

All individual hinged covers include a minimum of 2 turncatch lock and lift mechanisms for safe, convenient use and to ensure a flush finish when closed.

All access covers include pre-fitted mortar key mesh to bond infill. Epoxy mortar should always be used to measure stability of infill as covers hinge.

CLEAR OPENING SIZES CHART



Solobloc covers are normally hinged down their longest side as standard. Please contact our technical advisory service for further advice and guidance.





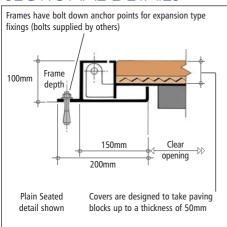
LOAD CLASSES, BS EN 124

EUROPEAN STANDARD FOR ACCESS COVERS

LOAD CLASSES	TEST LOAD	SUGGESTED AREAS OF USAGE	SPECIFYING CODE	
15kN		Pedestrian and Cycle Areas	/ ^	
★ ☆	(1.5 Tonne)	Recommended S.M.W.L. Not exceeding 1 Tonne	/A	
B125	125kN (12.5 (Tonne)	Pavement, Pedestrian Zones, Car Parks & Verges	/B	
=		Recommended S.M.W.L. Not exceeding 6 Tonne		
C250	250kN	Contact our technical support team for advice on	/C	
D400	400kN	exceptionally heavy vehicled areas.	/SD	

ALTHOUGH NOT COMPLYING WITH BS EN 124, OTHER INTERMEDIATE LOAD CLASSES ARE AVAILABLE, CONSULT OUR TECHNICAL DEPARTMENT

SECTIONAL DETAILS



ACCESSORY SUFFIXES

To specify add the following suffixes to the progressional specification code

A1R - Single Rubber Seating Seal

44 - Ventilated

5 - Hasp and staple c/w hinged cover plate

Service Indentification (please specify)

8 - Internal fall protection

X - Grade 304 Stainless Steel Construction

- Grade 316 Stainless Steel Construction

DIMENSIONS

Installation dimensions, based around chamber clear openings are as shown. Although example clear opening sizes are tabulated, SOLOBLOC is available in any size to suit specific project requirements within the design scope of HSE compliance. Tray depth caters for 50mm or 65mm thickness of slab or pavior infill, please specify depth of block infill required.

DESIGN SCOPE

Solobloc covers maybe available for blocks greater than 65mm deep. The internal clear opening size and load class required will influence the exact infill cover depth available. Please contact out technical support team for advice on techadvice@jonesofoswestry.com



FINISHES

How to use the Longevity Table

- 1. Locate your site on the Millennium map (E.g. Leeds - West Yorkshire) 2. Match the corrosion category square
- colour to the key (Leeds = 3 light blue)
- 3. Read down from Product Design Life to establish required minimum life i.e. 25 years.
- 4. Once minimum Product Design Life has been established, (20,25 or 30 years) cross reference with your site location category (1,2,3,4 or 5) to determine your
- 5. At the end of the specifying code DG100 needs to be added.

Coating suffix specifying codes:

Duragalv70 = DG70

Duragalv100 = DG100

Duragalv140 = DG140 required Duragalv finish. (Duragalv 100)

establish requir	eu miliminum ille i.e. 25 years.	DG 100 HEEGS to b	e auueu.					
Fabricated mild steel products, Hot-Dip Galvanised after manufacture GALVANISED LONGEVITY TABLE								
	of corrosion of zinc nicrons per annum).	2.5	3	3.5	4	4.5		
See Millennium Map for your site location or visit www.hdg.org.uk/map/index.htm PRODUCT DESIGN LIFE		1	2	3	4	5		
20 YEARS	Generally less than the normal minimum design life for product in public domain - UNACCEPTABLE WHOLE LIFE COSTING RETURN PERIOD	DURA 700	DURA GALV 70	DURA GALV 70	DURA MODERATE CONTRACTOR CONTRACT	DURA MO		
25 YEARS	Normal minimum design life for product in public domain - ACCEPTABLE WHOLE LIFE COSTING RETURN PERIOD	BURA 70	BURA MODE	BURA MODE	DURA MODERATE OF THE PROPERTY	DURA GALV.		
30 YEARS	Enhanced design life for product in public domain - PREFERRED WHOLE LIFE COSTING RETURN PERIOD	DURA GALV.	DURA MO	DURA (A)	DURA GALV.	DURA GALV.		

Jones of Oswestry provide an extensive on-line support service. Simply attach your drawings or list your queries to techadvice@jonesofoswestry.com and one of our engineers will quide you to the most suitable solution.

TO SPECIFY

		PROGRESSIONAL EXAMPLE FOR SPECIFYING								
MAIN PRODUCT CODE										
	Ref DESCRIPTION	PRODUCT TYPE	CLEAR OPENING	LOAD CLASS	BLOCK INFILL DEPTH	ACCESSORY SUFFIX	FINISHED COATING			
	DETAIL	(SOLOBLOC TRIPLE)	(1700mm x 500mm)	(B125)	(65mm)	(SINGLE SEAL)	(SEE LONGEVITY TABLE)			
	PRODUCT Ref	СРН3	170-50	В	65	A1	DG100			
	·	THE ABOVE EQUALS FULL SPECIFYING CODE OF = CPH3/170-50/B/65/A1/DG100								

WHITTINGTON ROAD, OSWESTRY, SHROPSHIRE, SY11 1HZ TEL: 01691 653251 FAX: 01691 658222 EMAIL: techadvice@jonesofoswestry.com



