SOLOBLOC

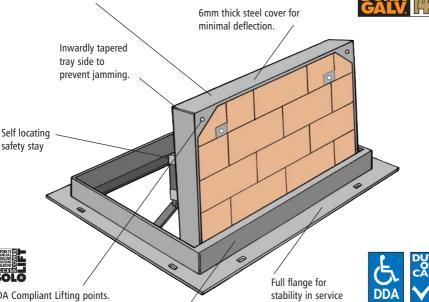
HINGED 'LIFT ASSISTED, SINGLE PERSON OPERATION' HSE COMPLIANT

CPHI SINGLE 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 61 for the various grades of corrosion protection required to meet the designers obligations on Whole Life Costing for the project.





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

6mm thick steel frame for increased impact resistance.





Jones of Oswestry provides RIBA approved CPD support for designers and architects in the subject of true sustainable design.

For further details email marketingsupport@jonesofoswestry.com

GA galvanizers association

SECTION PAGE 58



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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 60. 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

		300	350	400	USING THE Always take the largest clear opening dimension first - from the column of sizes on												
				100	450	of 500	of the chart. The second smaller dimension, is related to the sizes running diagonally down the right hand of the chart. Where the two columns meet, that box is the specifying code, i.e. $700 \times 500 = 70-50$ specifying code.										
	500	50-30	50-35	50-40			550			ALTERNATIVE SIZES							
_	550	55-30	55-35	55-40	55-45			600	The			e specifier with numerous clear opening					
sizes in mm (length)	600	60-30	60-35	60-40	60-45	60-50	60-55	60-60					lowever it only represents clear opening nm increments, any clear opening size				
l (ler	650	65-30	65-35	65-40	65-45	65-50	65-55	65-60				is ava	is available, as STANDARD in 10mm increments, and can be specified by deleting the last digit of the size,				
m m	700	70-30	70-35	70-40	70-45	70-50	70-55	70-60									
es in	750	75-30	75-35	75-40	75-45	75-50	75-55	75-60						i.e. 710 x 510 mm			
l siz	800	80-30	80-35	80-40	80-45	80-50	80-55	80-60						becomes an 71-5			
₹	850	85-30	85-35	85-40	85-45	85-50	85-55	85-60							specifying code.		
	900	90-30	90-35	90-40	90-45	90-50	90-55	90-60							couc.		
	950	95-30	95-35	95-40	95-45	95-50	95-55	95-60									
	1000	100-30	100-35	100-40	100-45	100-50	100-55	100-60									
	1050	105-30	105-35	105-40	105-45	105-50	105-55	105-60									

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



Solobloc covers are hinged down their longest side as standard. If in doubt please contact our technical advisory service for further advice and guidance.

PRODUCTS AND INFORMATION CAN BE AMENDED WITHOUT PRIOR CONSENT TO MAINTAIN THE COMPANY POLICY OF CONTINUED IMPROVEMEN

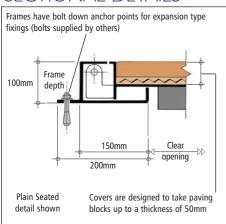
LOAD CLASSES, BS EN 124

EUROPEAN STANDARD FOR ACCESS COVERS

LOAD CLASSES	TEST LOAD	SUGGESTED AREAS OF USAGE	SPECIFYING CODE		
A15	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	/D		
		Recommended S.M.W.L. Not exceeding 6 Tonne	/ D		
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

1 - 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 our technical support team for advice on techadvice@jonesofoswestry.com

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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 required Duragalv finish. (Duragalv 100)
- 5. At the end of the specifying code DG100 needs to be added

Coating suffix specifying codes:

Duragalv70 = DG70

Duragalv100 = DG100

Duragalv140 = DG140

establish required minimum life i.e. 25 years.	DG100 needs to be added.							
Fabricated mild steel products, Hot-Dip Galvanised after manufacture	= GALVANISED LONGEVITY TABLE							
Rate of corrosion of zinc (in microns 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	1	2	3	4	5			
PRODUCT DESIGN LIFE								
Generally less than the normal minimum design life for product in public domain - UNACCEPTABLE WHOLE LIFE COSTING RETURN PERIOD	GALV 70	BURA 70	GALV. 70	BURA MODE	BURA MODE			
Normal minimum design life for product in public domain - ACCEPTABLE WHOLE LIFE COSTING RETURN PERIOD	GALV. 70	BURA MORE	BURA MODE	BURA GALV.	BURA GALV. (40)			
30 Enhanced design life for product in public domain - PREFERRED WHOLE LIFE COSTING RETURN PERIOD	BURA M	BURA MODE	BURA MO	BURA MO	BURA MO			

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 SINGLE)	(700mm x 500mm)	(B125)	(65mm)	(SINGLE SEAL)	(SEE LONGEVITY TABLE)					
PRODUCT Ref	CPH1	70-50	В	65	A1	DG100					
·	THE ABOVE EQUALS FULL SPECIFYING CODE OF = CPH1/70-50/B/65/A1/DG100										



