

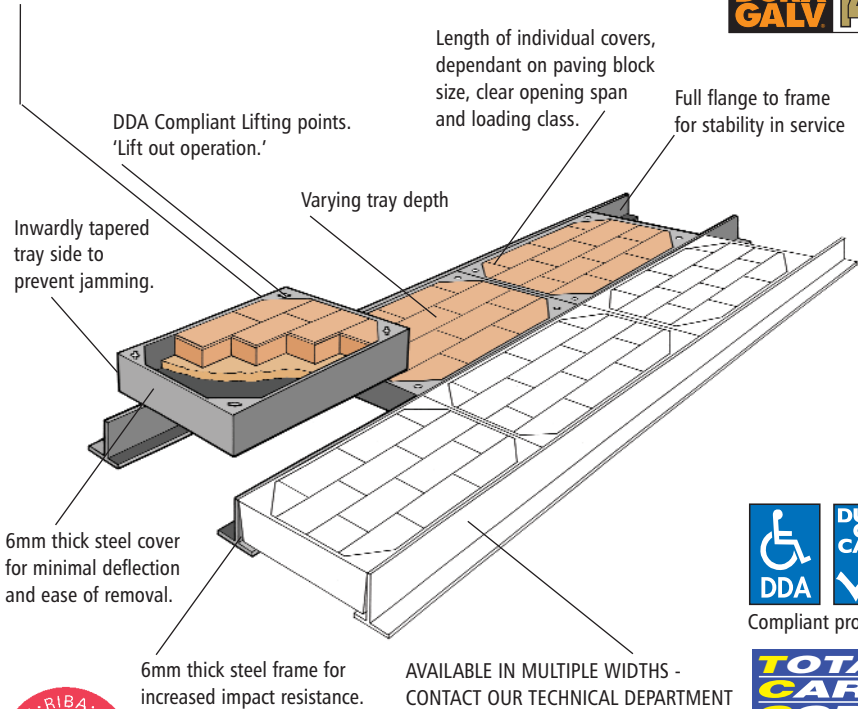
SUPRABLOC

LOW FREQUENCY ACCESS WITH
MULTIPLE OPERATIVES OR MECHANICAL ASSISTANCE

CPA9 CONTINUOUS DUCT RUN

All Suprabloc 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. Suprabloc units should be designed to cater for their intended application and should last the life of the project.

See chart on page 25 for the various grades of corrosion protection required to meet the designers obligations on Whole Life Costing for the project.



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



Compliant products



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SUPRABLOC

CPA9 CONTINUOUS DUCT RUN

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
- Single person lift not required.

MECHANICS, PERFORMANCE

In order to ensure the covers continue to perform for their design life all Jones SUPRABLOC covers are tested to BS EN 124 load classifications as listed on pg 24.

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 tapered inward at their base to ensure adequate clearance for removal in service. Lifting points are integral to each

corner of access covers and include a fully welded, robust finish to cater for the filled weight of recessed access covers in service. Underside of cover trays include heavy duty bracing to support the relevant load classification with reduced deflections when subject to live loading. Frame units include heavy duty 'T' section format around all sides of the unit. Pierced anchor points together with a full width seating ensures that any load is transmitted back to supports with less risk of localised failure in the bedding material.

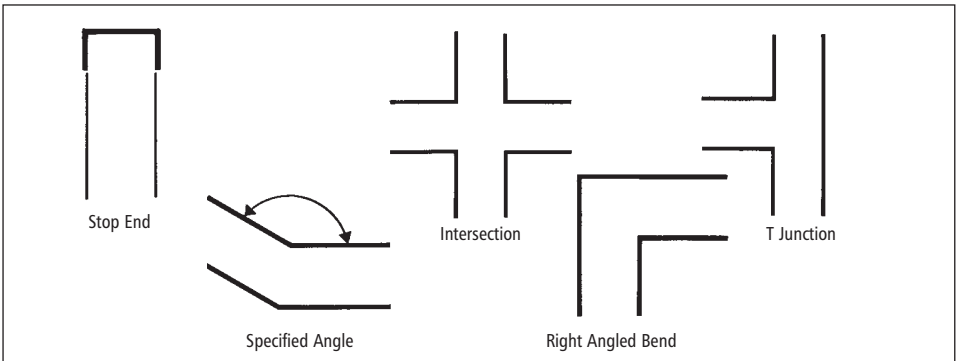
ADAPTABILITY

The adaptability of the SUPRABLOC range means that units can be produced to suit any duct configuration, internal clear opening span and loading capacity. Typical example of internal clear

opening span widths being 300, 450, 600 and up to 1200mm in singles, larger when specifying multiple widths.

Any clear opening size is available in 10mm increments, and can be specified by deleting the last digit of the size
i.e. 610mm internal clear opening span becomes a 61 specifying code.

DETAILS OF STANDARD TRENCH CONFIGURATIONS






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SUPRABLOC

CPA9 CONTINUOUS DUCT RUN

LOAD CLASSES, BS EN 124

EUROPEAN STANDARD FOR ACCESS COVERS

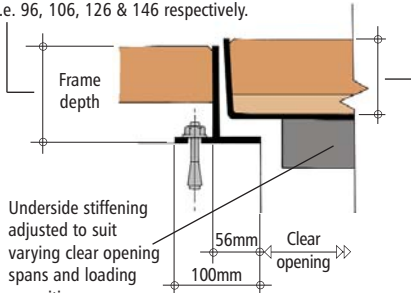
LOAD CLASSES	TEST LOAD	SUGGESTED AREAS OF USAGE	SPECIFYING CODE
 A15	15kN (1.5 Tonne)	Pedestrian and Cycle Areas	/A
		Recommended S.M.W.L. Not exceeding 1 Tonne	
 B125	125kN (12.5 Tonne)	Pavement, Pedestrian Zones, Car Parks & Verges	/B
		Recommended S.M.W.L. Not exceeding 6 Tonne	
 C250	250kN (25 Tonne)	Slow moving occasionally trafficked areas i.e Service Roads, Vehicular Access Areas, Parking Areas etc.	/C
		Recommended S.M.W.L. Not exceeding 11.5 Tonne	
D400	400kN	Contact our technical support team for advice on exceptionally heavy vehicled areas.	/SD
E600	600kN		/SE
F900	900kN		/SF

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

SECTIONAL DETAILS

Frame depths are manufactured for 50/65/80 and 100mm block depths.

i.e. 96, 106, 126 & 146 respectively.



Internal tray depths are manufactured at 75, 85, 105 & 125 respectively.

(plain seated illustrated)

DIMENSIONS

The above typical section shows general installation dimensions, based upon various cover tray depths to suit the slab or pavior being used. Generally tray depths are tabulated and cater for all inflill scenarios. SUPRABLOC continuous

duct run is available to suit any size specific project requirements.

CONFIGURATION

Please note trench length in (10mm increments) and configuration details will also be required. If a straight

ACCESSORY SUFFIXES

To specify add the following suffixes to the professional specification code

- A1R - Single Rubber Seating Seal
- A2R - Double Rubber Seating Seal
- A3 - Unsealed / Plain Seated
- A4 - Ventilated
- B4 - Locking Down Bolts
- B8 - Pinhead Security Locking Bolts
- E1 - Stainless Steel Edge Trim
- E2 - Brass Edge Trim
- G1 - Large BS Lifting Points
- G2 - Threaded Lifting Points
- H1 - Service Identification (please specify)
- K1 - Solid Top Peep in (please specify position)
- K2 - Recessed Peep in (please specify position)
- N5 - Expanded Metal Mesh in Base of Tray
- X - Grade 304 Stainless Steel Construction
- Y - Grade 316 Stainless Steel Construction

duct run of 7,687mm is required, delete the last digit and add x 768 to the specifying code after the coating finish, if right angle bends, T Junctions etc are required please include plan details showing layout. If in doubt contact techadvice@jonesfoswestry.com

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CPA9 CONTINUOUS DUCT RUN

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 Duragalv 100 needs to be added.

Coating suffix specifying codes:

- Duragalv70 = DG70
 Duragalv100 = DG100
 Duragalv140 = DG140

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					
20 YEARS Generally less than the normal minimum design life for product in public domain - UNACCEPTABLE WHOLE LIFE COSTING RETURN PERIOD	DURAGALV 70	DURAGALV 70	DURAGALV 70	DURAGALV 100	DURAGALV 100
25 YEARS Normal minimum design life for product in public domain - ACCEPTABLE WHOLE LIFE COSTING RETURN PERIOD	DURAGALV 70	DURAGALV 100	DURAGALV 100	DURAGALV 100	DURAGALV 140
30 YEARS Enhanced design life for product in public domain - PREFERRED WHOLE LIFE COSTING RETURN PERIOD	DURAGALV 100	DURAGALV 100	DURAGALV 140	DURAGALV 140	DURAGALV 140

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 guide you to the most suitable solution.

HOW TO SPECIFY

PROGRESSIONAL EXAMPLE FOR SPECIFYING						
Ref DESCRIPTION	PRODUCT TYPE	INTERNAL CLEAR OPENING SPAN	LOAD CLASS	INTERNAL DEPTH OF TRAY	ACCESSORY SUFFIX	FINISHED COATING
DETAIL	(SUPRABLOC CONTINUOUS)	(610mm)	(B125)	(85mm)	(DOUBLE SEAL)	(SEE LONGEVITY TABLE)
PRODUCT Ref	CPA9	61	B	85	A2R	DG100
FULL SPECIFYING CODE OF = CPA9/61/B/85/A2R/DG100xLENGTHxCONFIGURATION						

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