

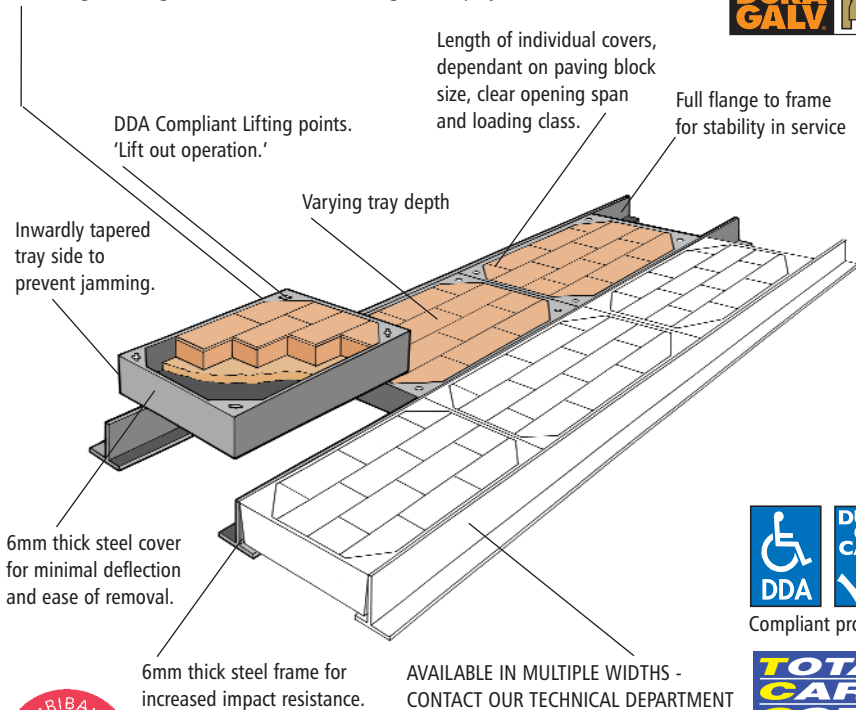
# SUPRABLOC

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](mailto: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.

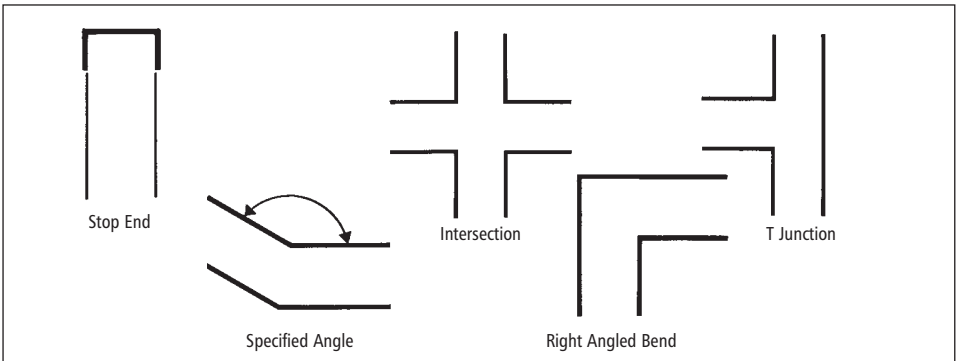
#### ADAPTABILITY

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

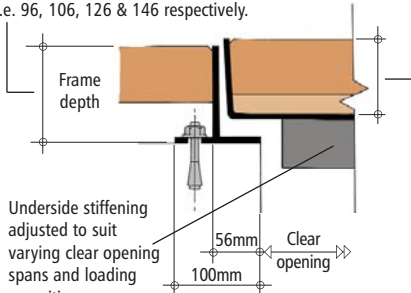
| LOAD CLASSES   | TEST LOAD             | SUGGESTED AREAS OF USAGE   | SPECIFYING CODE |
|--|-----------------------|--|-----------------|
|  A15  | 15kN<br>(1.5 Tonne)   | Pedestrian and Cycle Areas   | /A              |
|  |                       | Recommended S.M.W.L. Not exceeding 1 Tonne   |                 |
|  B125 | 125kN<br>(12.5 Tonne) | Pavement, Pedestrian Zones, Car Parks & Verges   | /B              |
|  |                       | Recommended S.M.W.L. Not exceeding 6 Tonne   |                 |
|  C250 | 250kN<br>(25 Tonne)   | Slow moving occasionally trafficked areas<br>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.



Underside stiffening adjusted to suit varying clear opening spans and loading capacities

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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# SUPRABLOC

## 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 <a href="http://www.hdg.org.uk/map/index.htm">www.hdg.org.uk/map/index.htm</a>                  | 1            | 2            | 3            | 4            | 5            |
| PRODUCT DESIGN LIFE  |              |              |              |              |              |
| <b>20 YEARS</b><br>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 |
| <b>25 YEARS</b><br>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 |
| <b>30 YEARS</b><br>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](mailto: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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**JONES**  
 OF OSWESTRY

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