

Coplastix® Stop Logs



INTRODUCTION

Coplastix® Stop Logs are designed and manufactured to suit modern industrial and domestic effluent environments.

Utilisation of EPDM (Ethylene Propylene Di Methyl) for the sealing mechanism combined with the use of steel or stainless steel provides a range of Stop Logs suitable for use in most water, sewage and effluent treatment plants.

Stop Logs provide an economical means for isolation duties and weir applications where single piece stop gates would be too heavy to lift or where multiple door sections are required.

General standard size range is 1000mm square up to 2000mm square. Larger and smaller sizes are available. All assemblies are purpose designed to suit customers' requirements.

Stop Logs are only suitable for water pressures up to the height of the top log. Special fixing arrangements can be accommodated.

FEATURES

- Corrosion resistance
- Choice of frame material
- Mechanically fixed renewable seals
- Low maintenance
- Lower installation costs
- Custom built

Standard Size Range

1000mm square up to 2000mm square or any rectangular size within these limitations. Stop Log depths are built up with a combination of logs generally 300mm and 400mm deep and designed to withstand water pressure to full log depth.

Special Applications

Non standard aperture sizes are available for most applications with logs designed for working heads/pressures.

OPTIONS

- Wall mounted
- Channel mounted

Mounting

Standard fixing arrangements are:-

- a. Channel fixing into prepared rebates in channel walls and floor (Type C).
- b. Wall fixing onto a flat vertical wall with invert recessed into floor (Type W).

Special fixing arrangements are:-

- c. Side wall fixing.
- d. Wall fixing at invert.
- e. Any combination of a), b), c) and d).

MATERIAL SPECIFICATION

Frames

Normally supplied in three sections for ease of handling and installation. Manufactured from mild steel to BS EN 10025 : 1993 grade S275 or stainless steel to BS EN 10088:1995 grade 1.4301 (304) or 1.4401 (316) as specified. Mild Steel frames can be protected to suit sea water, potable or sewage conditions. Stainless steel - natural finish.

Frame Seals

Are resilient EPDM (Ethylene Propylene Di Methyl) wiper type seals having an angled lip seal. Seals are fitted to the seating and unseating sides of the frame. EPDM is chosen for its greater resistance over neoprene to ultraviolet degradation. The seals are fixed with corrosion resistant retaining strips and stainless steel fasteners.

Logs

Logs are manufactured as a composite sandwich construction comprising a lightweight rigid, cellular core with a fully welded steel box section matrix between two other skins of rigid, compressed composite plastic which is asbestos free, ultra violet stabilised, rigid and non toxic.

All materials are chemically bonded and sealed.

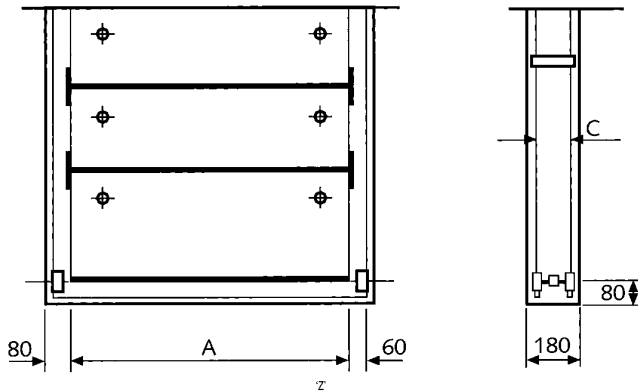
Inter Log Seals

These are twin seals fitted to the bottom edge of each log to permit on or off-seating pressures.

LIFTING FACILITY

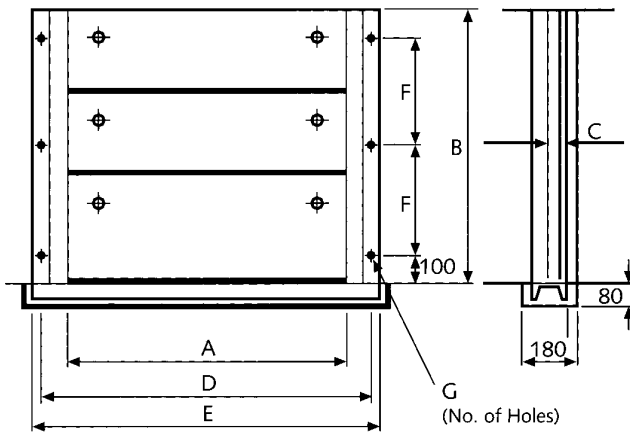
Each log is provided with 2 stainless steel lifting pins, located on the log faces to permit lifting by:

- a. Manual Lifting Pole
- b. Semi-Automatic Lifting Beam.



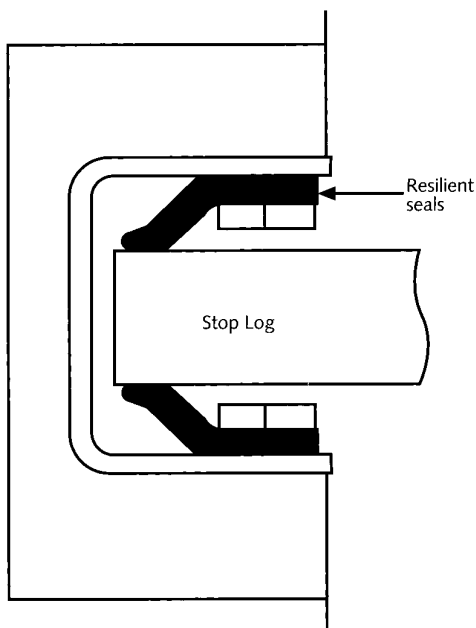
Width Factor - Channel Fixing

A	C
DIMENSIONS IN MILLIMETRES	
1000	107
1100	107
1200	107
1300	107
1400	107
1500	107
1600	107
1700	127
1800	127
1900	127
2000	127



Width Factor - Wall Fixing

A	C	D	E
DIMENSIONS IN MILLIMETRES			
1000	107	1220	1280
1100	107	1320	1380
1200	107	1420	1480
1300	107	1520	1580
1400	107	1620	1680
1500	107	1720	1780
1600	107	1820	1880
1700	127	1920	1980
1800	127	2020	2080
1900	127	2120	2180
2000	127	2220	2280



SECTION THROUGH SIDE FRAME

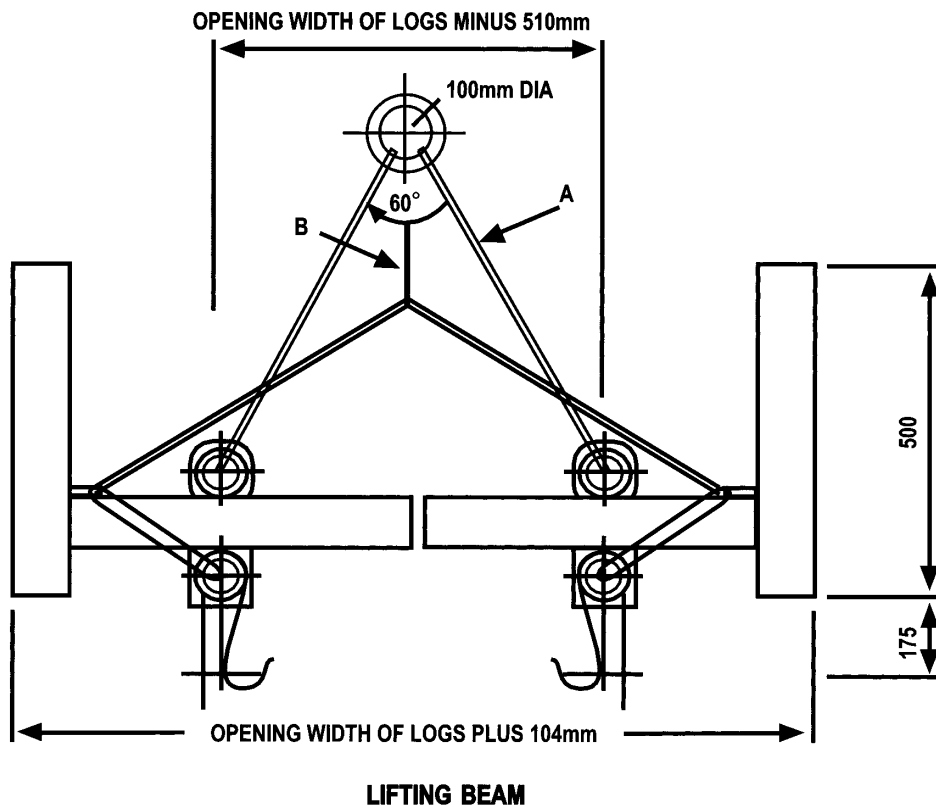
B	F	G No. of Holes	No. of Logs Selection 1	No. of Logs Selection 2
DIMENSIONS IN MILLIMETRES				
1000	400	6	1 x 400; 2 x 300	-
1100	107	6	2 x 400; 1 x 300	-
1200	107	6	3 x 400	4 x 300
1300	107	6	1 x 400; 3 x 300	-
1400	107	8	2 x 400; 2 x 300	-
1500	107	8	3 x 400; 1 x 300	5 x 300
1600	107	8	4 x 400	1 x 400; 4 x 300
1700	127	8	2 x 400; 3 x 300	-
1800	127	10	3 x 400; 2 x 300	6 x 300
1900	127	10	4 x 400; 1 x 300	1 x 400; 5 x 300
2000	127	10	5 x 400	2 x 400; 4 x 300

Width factors are based on a maximum depth of 2000mm.

Selections 1 and 2 are based on standard log depths of 400mm and 300mm. Non-standard sizes are available to suit customers' requirements.

Larger Size

Larger sizes can be manufactured up to max. 5000mm wide, 7500 mm deep.



Lifting beam arrangement

To lift a log, first lower the beam by using sling A, the hooks will automatically engage the log, then lift the log with the beam. To disengage, lower the beam to rest on the log, disengage the hooks by pulling on the nylon rope B, then lift the beam while the hooks are disengaged.

ENQUIRY QUESTIONNAIRE

Certain basic data is essential to allow selection of the correct equipment against a specification. Please ensure that the following information is given for each item of your enquiry:

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| 1. Quantity required. | 6. Material for the frames. |
| 2. Size of opening width x depth. | 7. Paint system if special operating conditions prevail when mild steel frames are selected. (Stainless steel frames - use unpainted). |
| 3. Total height of Stop Logs. | 8. Mounting. |
| 4. Type of operating equipment - manual or lifting gear. | |
| 5. Liquid in which the stoplog is to operate, e.g. sewage, potable water or sea water. | |

INTERNATIONAL STANDARDS

- BS EN ISO 9001 : 2000** Quality Management System : Requirements
- BS EN 10025 : 1993** Hot rolled products of non-alloy structured steels. Technical delivery conditons.
- BS EN 10088 : 1995** Stainless steels. Technical delivery conditons.