

=Syston Doors=

Folding Grilles & Closures Technical Information

**Syston Rolling Shutters Ltd t/a Syston Doors
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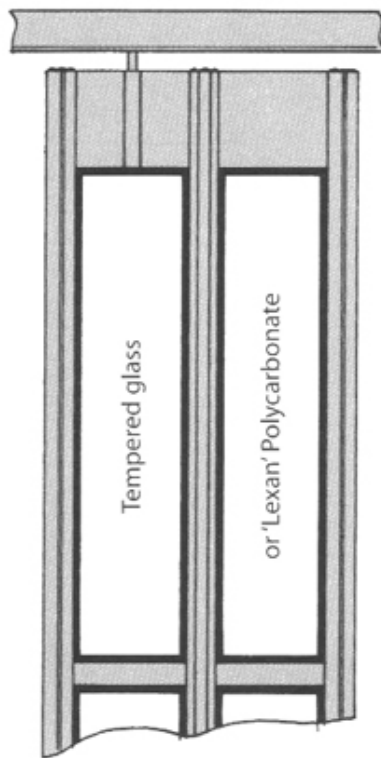
Folding Grilles & Closures

- **Curtain Construction** – The top and bottom of each panel section is fitted with an aluminium panel 102mm high. This panel consists of an aluminium extrusion 2mm thick. It is connected into extruded hinge cleats with a 15% offset to facilitate easy folding.
The curtain is constructed of 152mm wide modules linked together by a continuous aluminium hinge. These hinges hold different curtain designs created by using different infills e.g. tempered glass, Lexan polycarbonate, solid aluminium or grille panels arranged in a chequer plate design. Specify type.
- **Overhead Track** – Manufactured from strong tempered aluminium alloy class 6351-T6 extrusion, 34mm x 42mm total height. Standard radius curve is 356mm. Special curves manufactured to Customers' individual requirements.
Track sections are spliced together with joining pins and plates.
THERE ARE NO FLOOR TRACKS.
- **Locking** – Lock members are integral 50mm x 32mm standard extruded aluminium hollow posts. They are at both ends of each grille, at intervals of 2500mm maximum and at every curve (on counter tops, specify at 1500mm maximum spacing). Choose from seven different types of lock member. Lead posts incorporate Adams Rite mortice locks operated by 5 pin cylinders each side. Intermediate posts incorporate drop bolts locating into flush floor sockets. Drop bolts can be deadlocked with 5 pin cylinders.
Choose from four types of end member.
- **Operation** – The top of alternative panels is connected into the overhead track by a suspension rod and pairs of trolley wheels. Simply pull or push along to open or close. Manual operation in any length is easily achieved by one person.
- **Finishes** – Standard finishes for quick delivery are natural anodised, black, white, medium bronze or light bronze powder coat paint. Special colours to match standard RAL colours are available on request at extra cost. Alloy 10 working days extra for special colours.
- **Stacking** – Allow 95mm per linear metre of closure or grille then add 76mm for each post member (lead, intermediate or end posts). Approximates to about 15% of closure or grille width.
- **Weights** – Royal 12 kg/m², Impact 9 kg/m², Global 11 kg/m², Aeroflex 10 kg/m², Concept 33, 66, 99, 1212 8 kg/m², System S-126 6 kg/m².
- **General** – Related work not included: Preparation of opening including track support, storage pocket and pocket doors, floor finishing, painting or any other related preparatory work or making good.
Overhead track support structures should be capable of supporting 15 kg/m² of daylight opening.
- **Warranty** – All our products are subject to a minimum period of 1 year warranty from date installation. The only exceptions are misuse, abuse, or vandalism.
- **Applications** – These aluminium folding grilles & closures are intended for use in internal retail applications, public buildings or any other internal application where people and space need to be separated. They are not generally recommended for use outdoors.

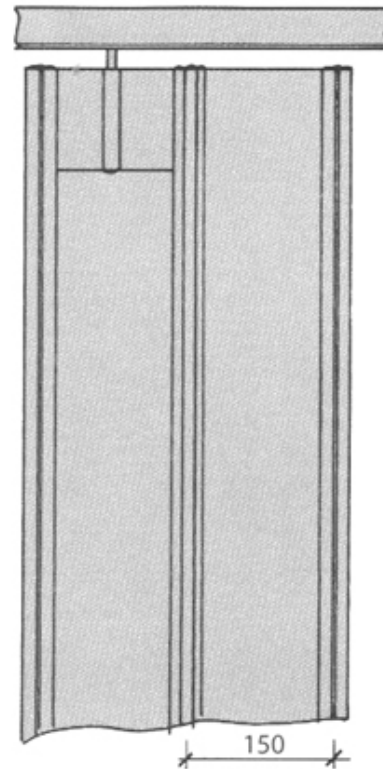
With continuous product improvements, specifications may change without notice.

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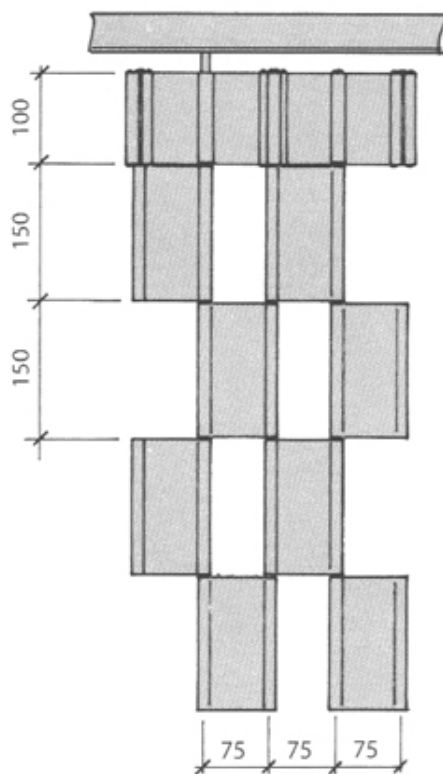
Model Types



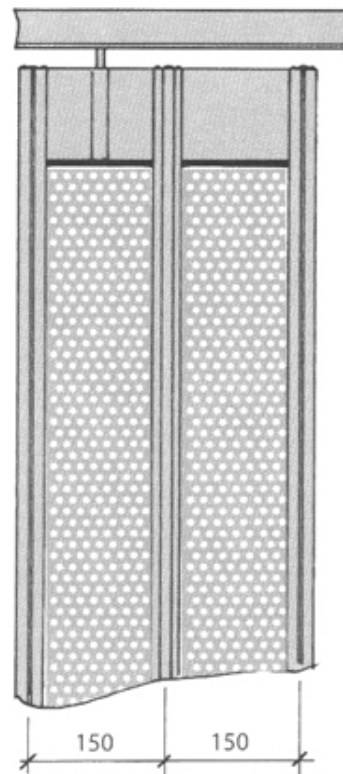
Royal (tempered glass)
Impact ('Lexan' Polycarbonate)



Global (solid)

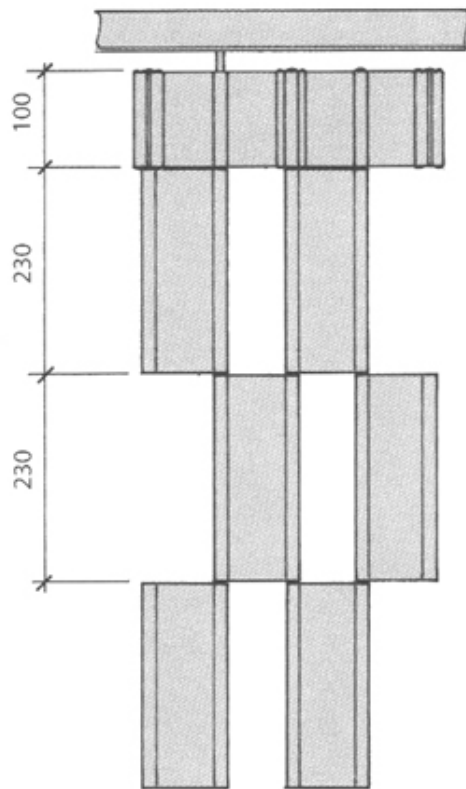


Concept 66
(max height 2200 mm)

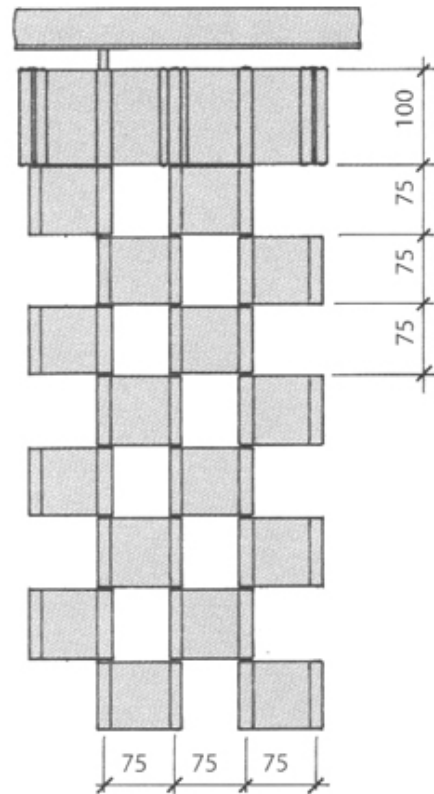


Aeroflex (perforated)

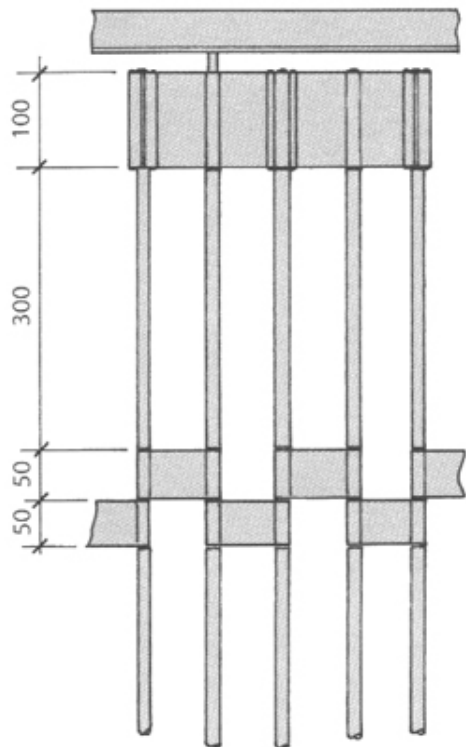
Model Types



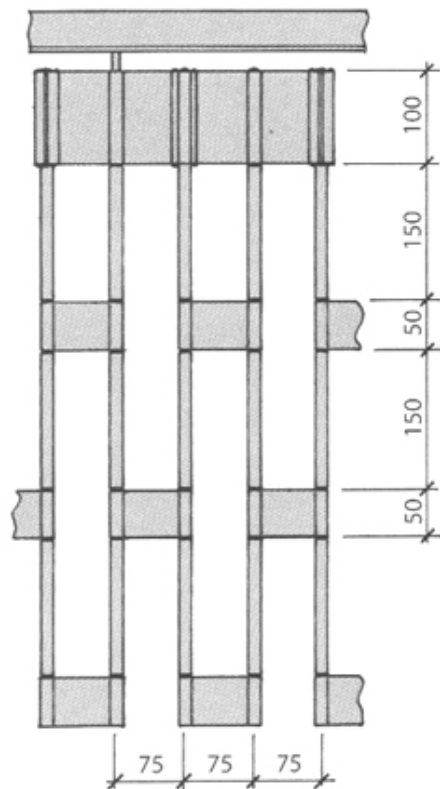
Concept 99



Concept 33
(max height 1600 mm)



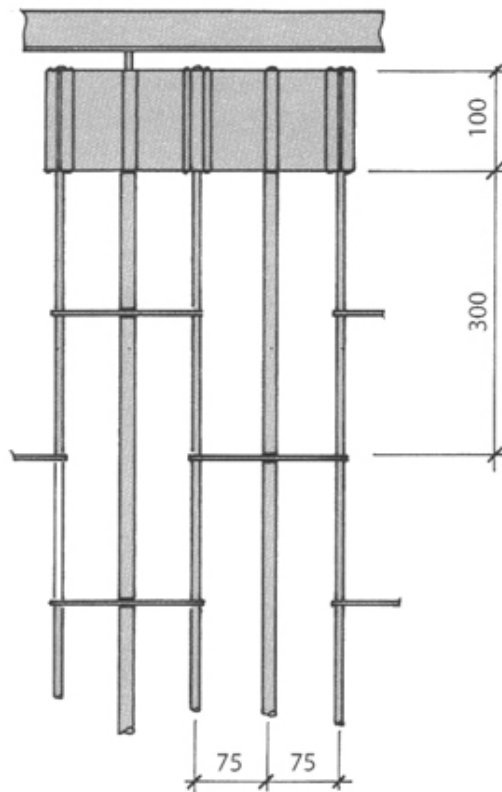
System S-12



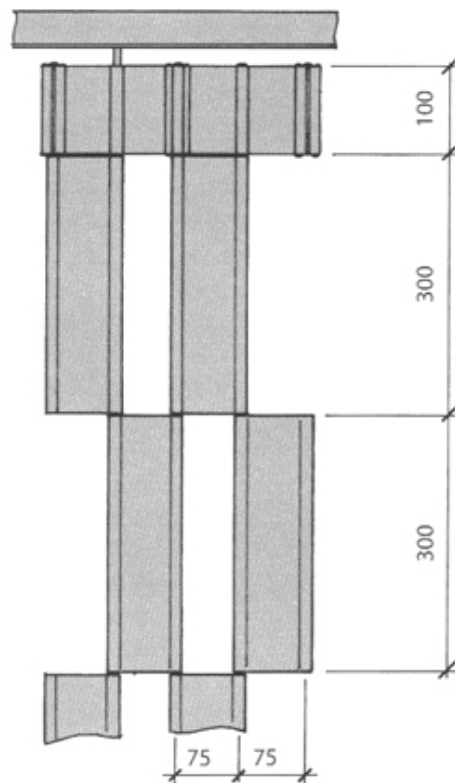
System S-525

System Doors

Model Types



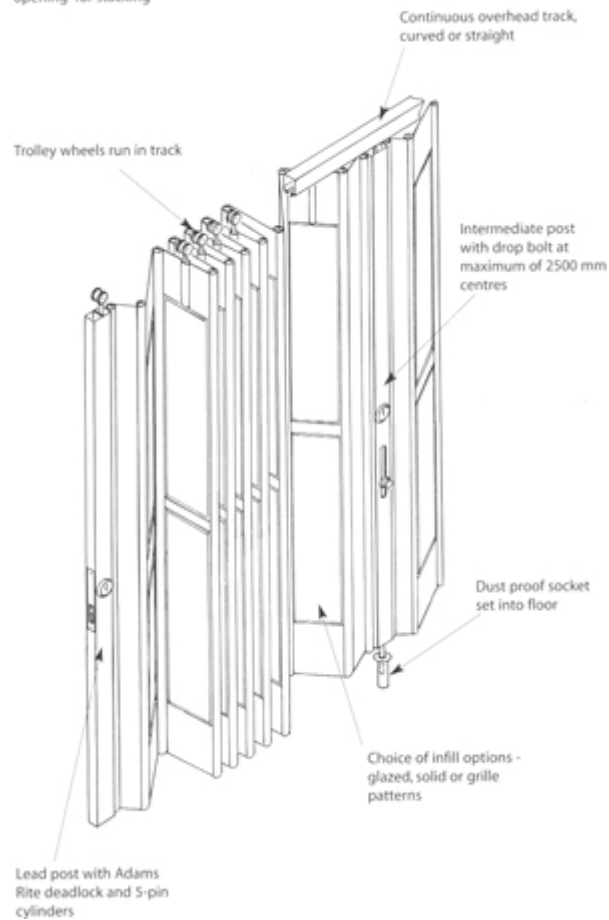
System S-126



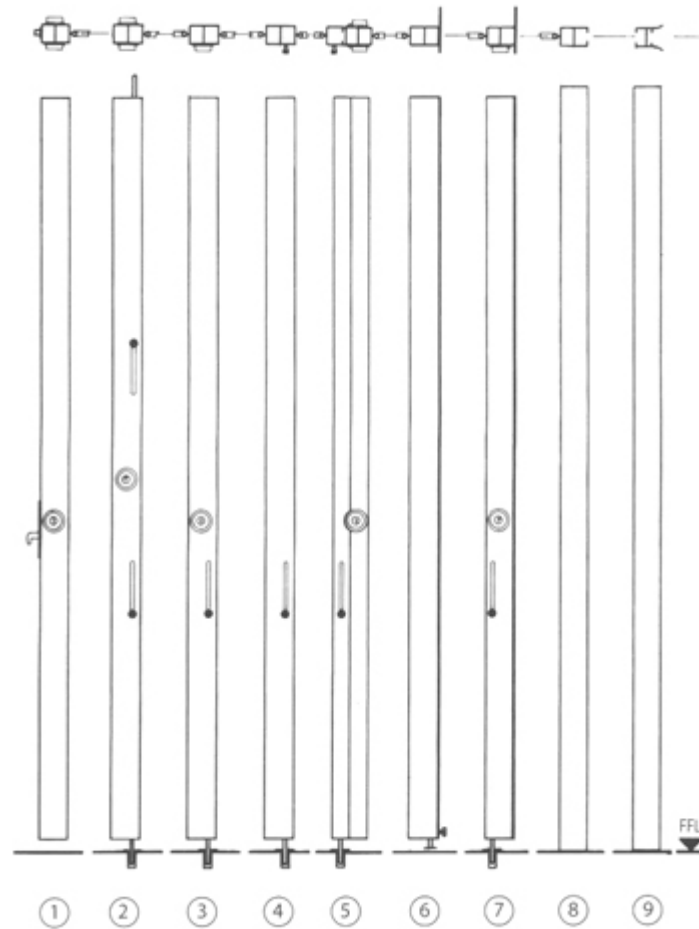
Concept 1212

Isometric View

Folded closure needs approximately 15% of clear opening for stacking



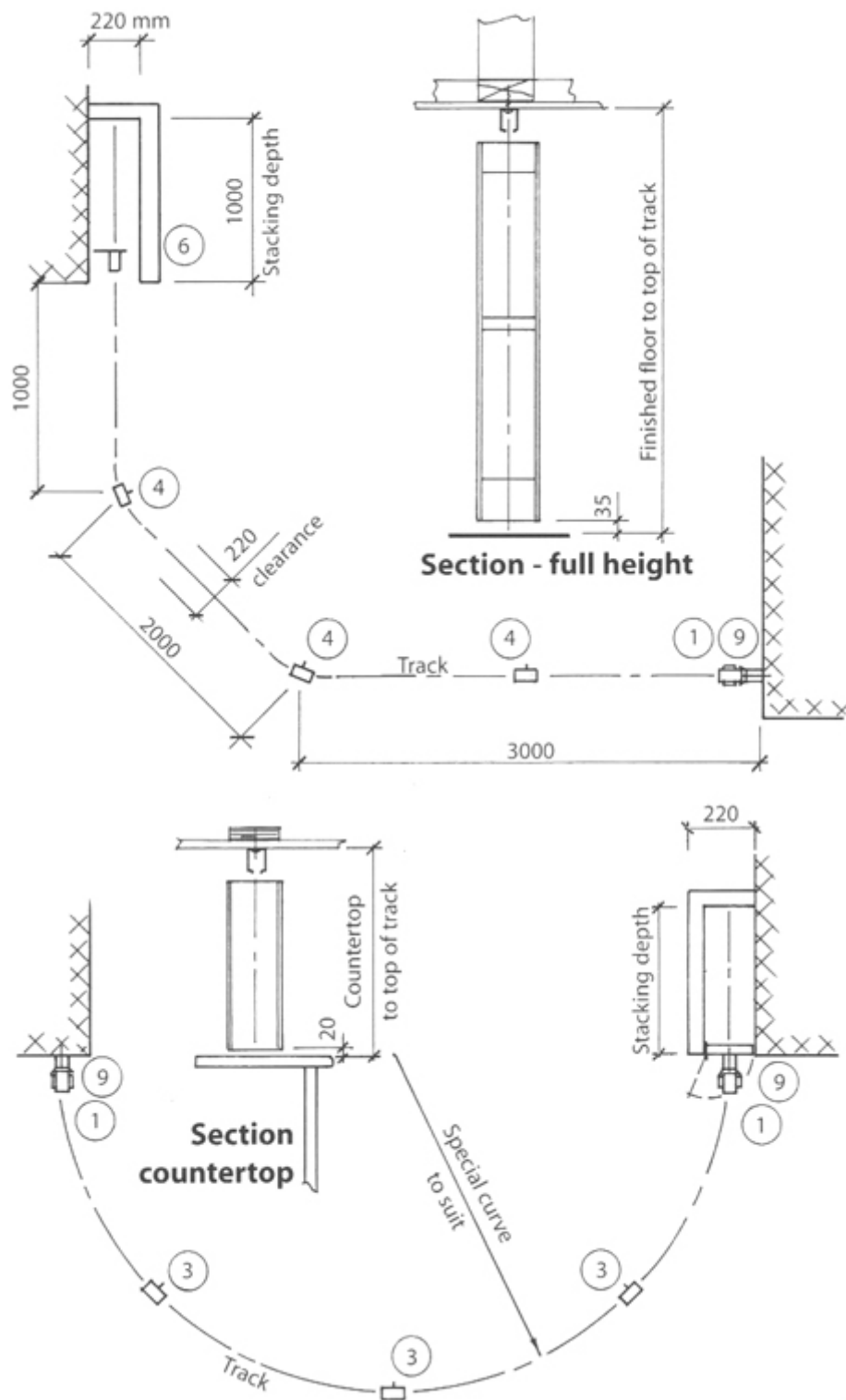
Post Identification



- 1 - Lead post with Adams Rite lock and cylinder lock
- 2 - Lead post with top and bottom shootbolts and cylinder locks
- 3 - Intermediate post with bottom shootbolt and cylinder lock
- 4 - Intermediate post with bottom shootbolt and knob
- 5 - Bi-part assembly with bottom shootbolt and cylinder locks
- 6 - Floating end post locating with top stop and bottom 'V' stop fitted to floor
- 7 - Intermediate floating end post with bottom shootbolt and cylinder lock
- 8 - Fixed end post
- 9 - Wall Striker Post (Jamb)

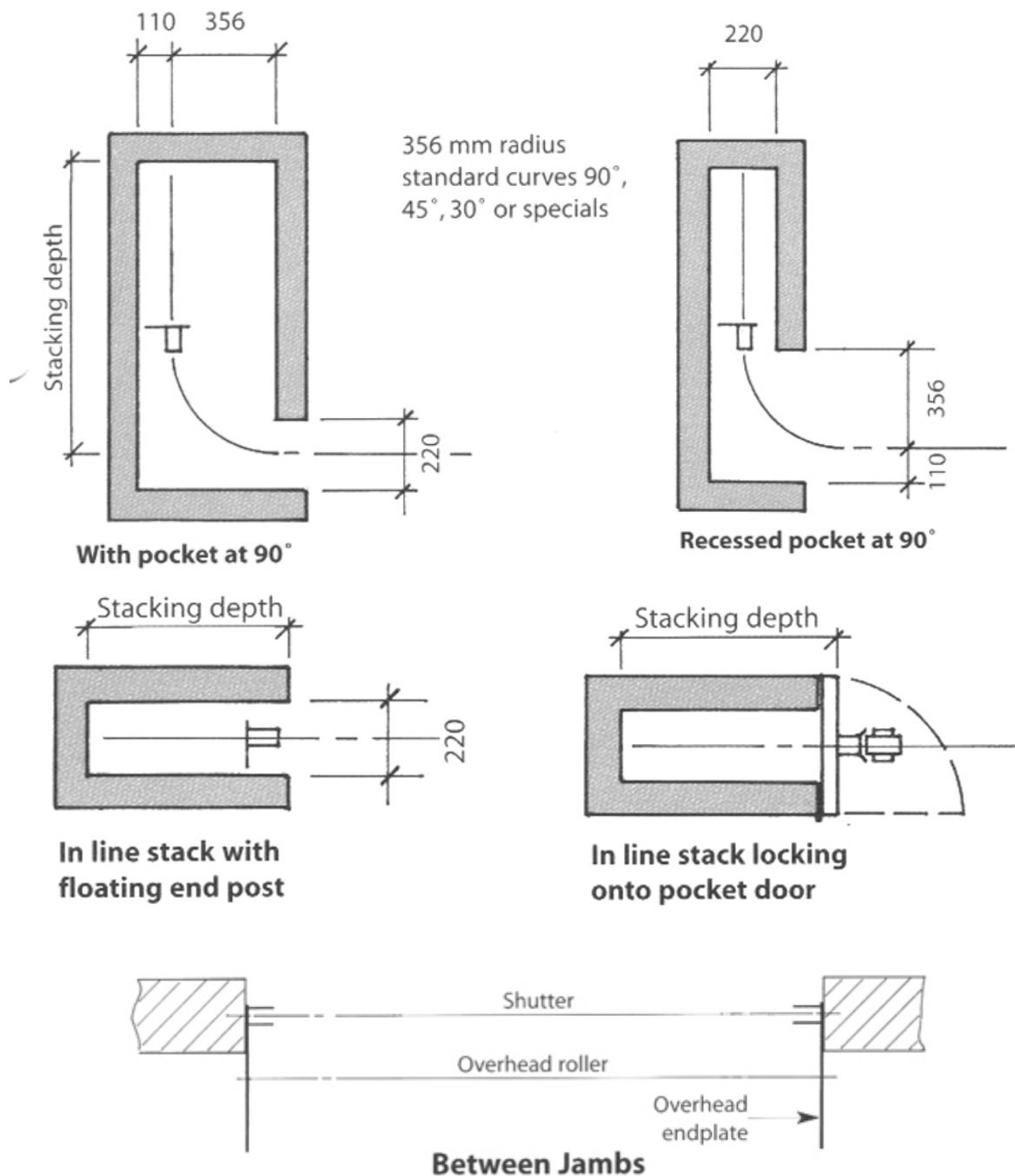
Posts are fully integrated with the rest of the grille or closure except No.9

Typical Layouts



For Post Identification see Post Identification Sheet. Posts are integral – fully joined to the rest of the grille or closure. There are no Floor or Bottom Tracks.

Alternative Stacking Arrangements



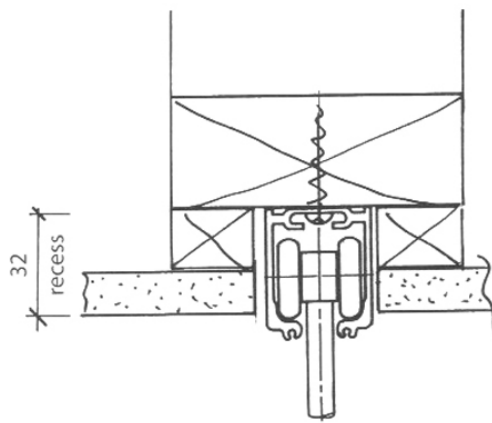
Note

There are no floor tracks.

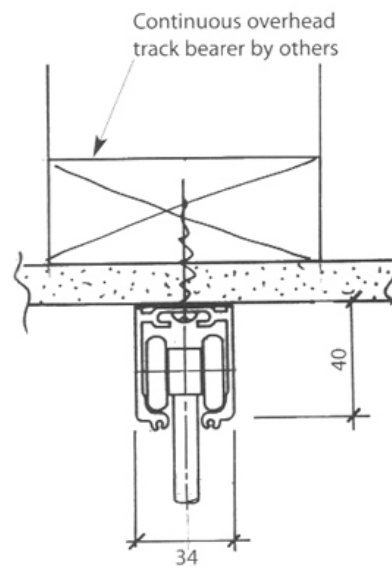
Integral intermediate posts are at max 2500mm centres except on counter tops when they are at approximately 1500mm centres.

Stacking depth – allow 95mm per 1000mm of clear opening length plus 76mm per post member including the end post, lead post and intermediate posts.

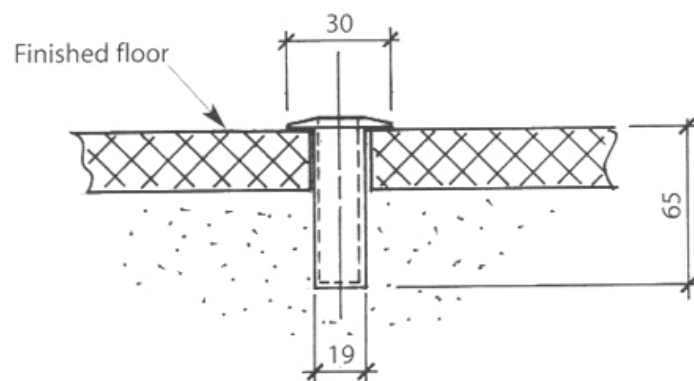
Sections



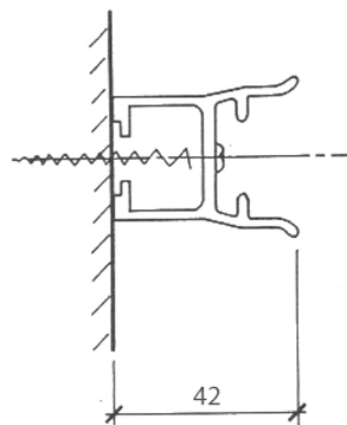
Recessed track



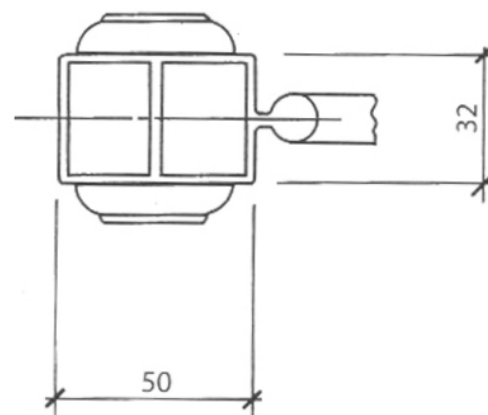
Surface-mounted track



Floor socket



Fixed wall
striker post



Lead post
with locks