

# STRAIGHT SLIDING MANSION 55 & 170

EACH DOOR WEIGHT MAX 55 or 170 kg

## APPLICATION

- ▶ Mansion high quality bottom roller gear and fittings are ideally suited to high class joinery installations.
- ▶ Suited to doors that are good quality sliding partitions, glazed, flush or panelled doors.
- ▶ Mansion 170 is suited to external window applications and heavy doors.
- ▶ The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- ▶ To cover any width of opening, any number of doors can be used on a single or double track.
- ▶ To accommodate different building designs, doors can slide to one or both sides.

## DOOR SPECIFICATION

	Mansion 55	Mansion 170
For individual doors:		
Max Door Height	2600mm	2600mm
Max Door Weight	55 kg	170 kg
Door Thickness	30 - 57mm	30 - 57mm

Doors must be constructed with bottom sections of at least 150mm depth to accommodate the concealed, mortised, bottom rollers.

Door weight is carried on the floor permitting the use of a light overhead structure.

## GEAR SPECIFICATION

	Mansion 55	Mansion 170
<b>Top Guide Channel</b>	94 brass 94X aluminium	900 galvanised steel with safety lip
<b>Standard lengths:</b>	94 1500mm and 3000mm 94X 2000mm, 2500mm, 3000mm 900 2000mm, 2500mm and 3000mm	

### Top Guide Brackets:-

For single track (face fixing)	1/900 pressed steel zinc plated
For single track (soffit fixed)	3/900 pressed steel zinc plated
For double track (face fixing)	5/900 pressed steel zinc plated
Fix at 900mm centres (maximum).	
94 and 94X top guide channel is screwed directly into soffit.	

### Top Guide Rollers (2 per door):

113/94	203/900
Both Top Guide Rollers are concealed edge fixing, 203/900 has double adjustable anti-rattle rollers.	

### Bottom Rollers (2 per door):

913N	913XB
913N has nylon roller with silver steel axle and is suitable for internal use only.	
913XB has brass roller with maintenance free roller bearing.	

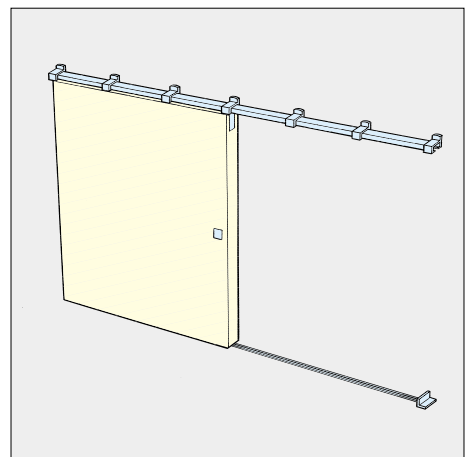
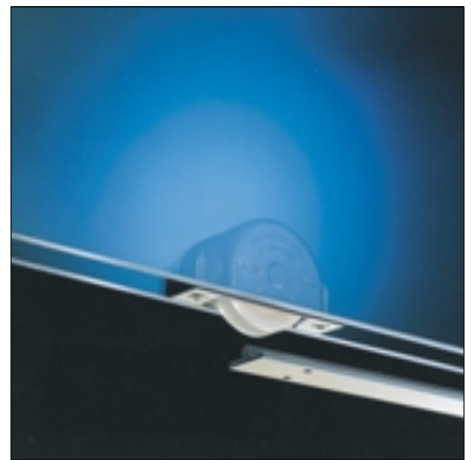
### Bottom Rail:

915X aluminium	918 brass
	815 brass recessed
915X available in 1500mm, 2000mm, 2500mm and 3000mm lengths.	
918 and 815 available in 1500mm and 3000mm lengths.	
918 is drilled and countersunk for wood or lugging into concrete.	

### Accessories:

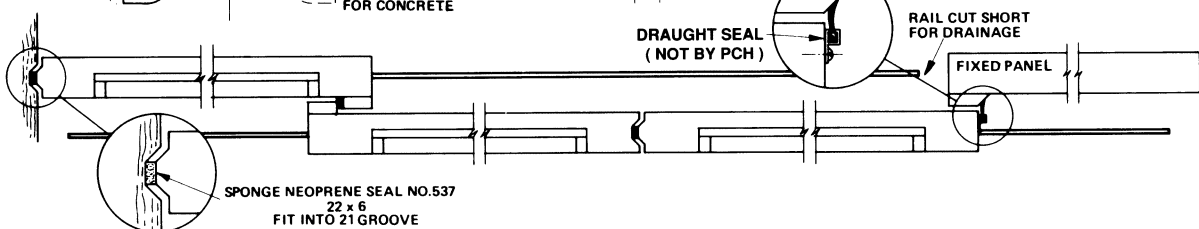
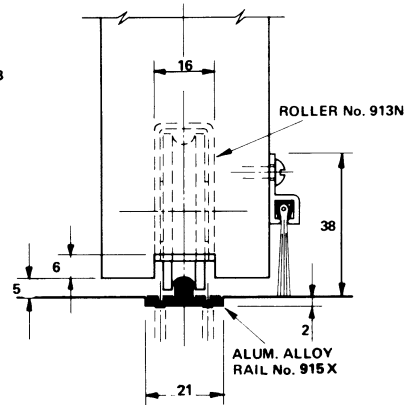
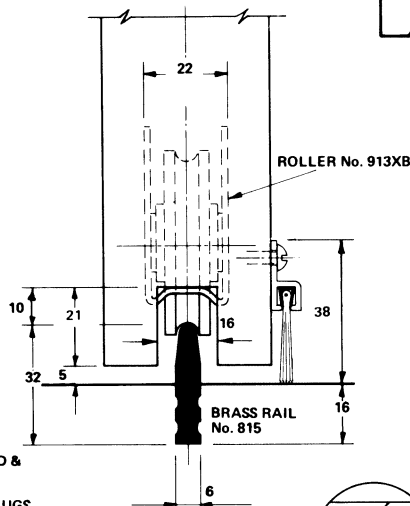
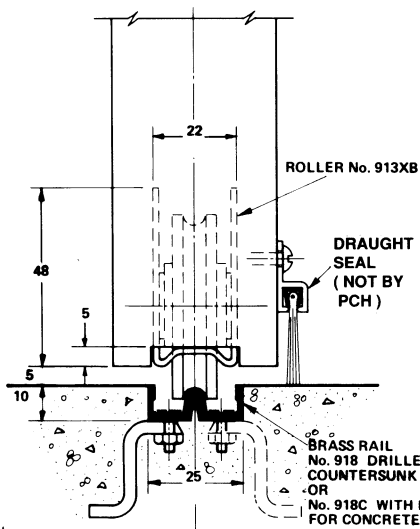
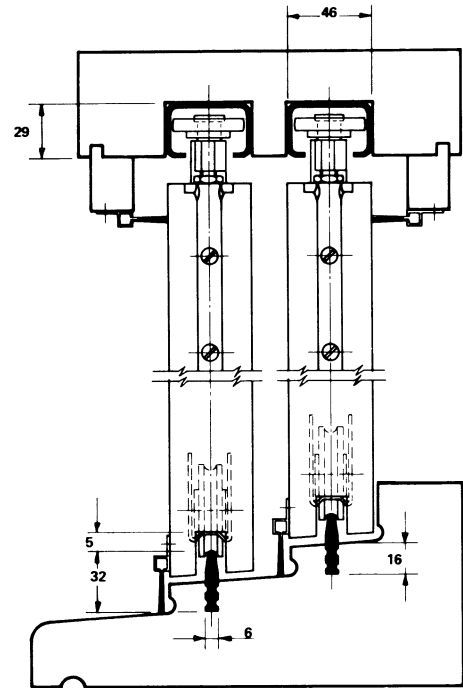
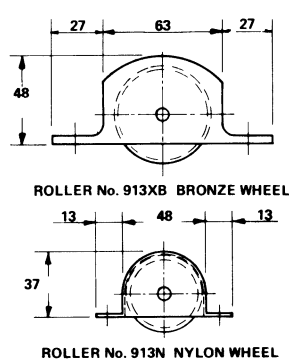
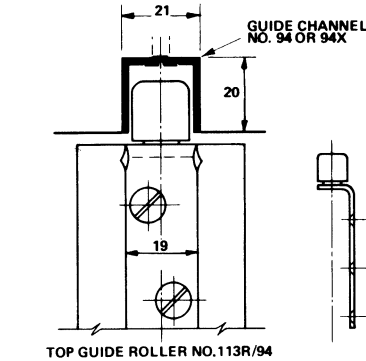
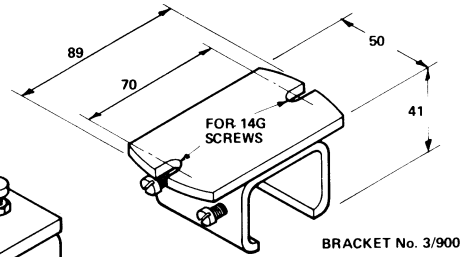
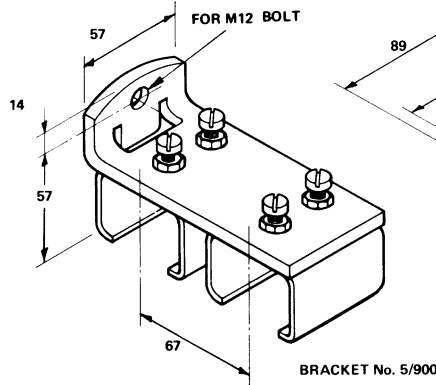
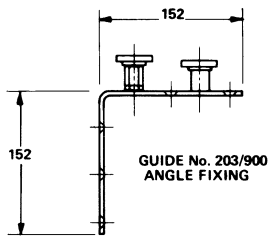
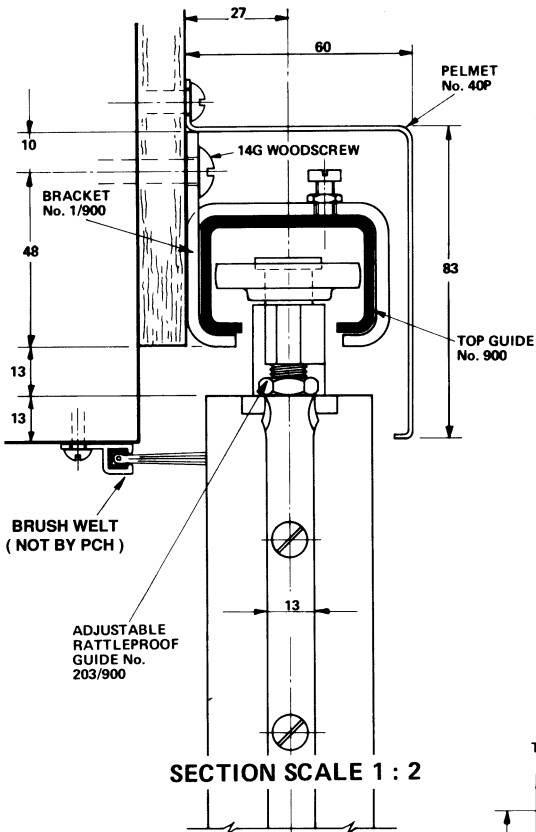
Flush Pulls, Flush Bolts and Locks.

## STRAIGHT SLIDING BOTTOM ROLLER TIMBER DOORS



Standard Application

# STRAIGHT SLIDING MANSION 55 & 170



# STRAIGHT SLIDING MAJESTIC 270

E A C H D O O R W E I G H T M A X 2 7 0 k g

## APPLICATION

- ▶ Majestic high quality bottom roller gear and fittings are ideally suited to high class joinery installations.
- ▶ Designed for heavy straight sliding partitions especially fully glazed patio or showroom doors. Also suitable for flush or panelled doors.
- ▶ The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- ▶ To cover width of opening, any number of doors can be used on single or double track.
- ▶ To accommodate different building designs, doors can slide to one or both sides.

## DOOR SPECIFICATION

For individual doors:

Max Door Height	3300mm
Max Door Weight	270 kg
Door Thickness	44 - 57mm

Doors must be constructed with bottom sections of at least 175mm depth to accommodate the concealed, mortised, bottom rollers.

Door weight is carried on the floor permitting the use of a light overhead structure.

## GEAR SPECIFICATION

**Top Guide Channel** 900 galvanised steel with safety lip  
Standard lengths: 2000mm, 2500mm and 3000mm

### Top Guide Brackets:-

For single track (face fixing)	1/900	pressed steel zinc plated
For single track (soffit fixed)	3/900	pressed steel zinc plated
For double track (face fixing)	5/900	pressed steel zinc plated

Fix at 900mm centres (maximum).

**Top Guide Rollers (2 per door):** 203/900

Top Guide Rollers have concealed edge fixing and double adjustable anti-rattle rollers.

**Bottom Rollers (2 per door):** 916

916 has brass roller with maintenance free roller bearing.

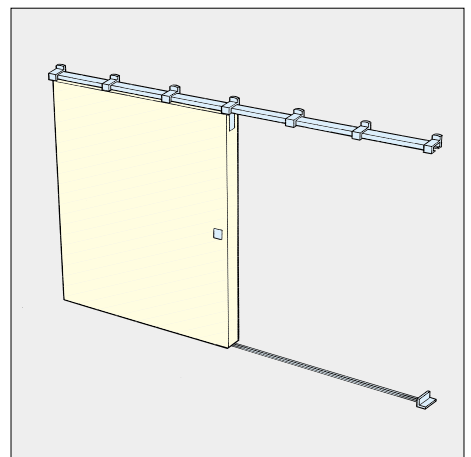
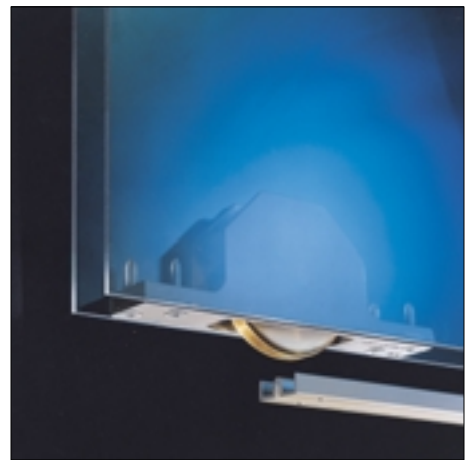
**Bottom Rail:** 917 brass  
817 brass recessed

917 and 817 available in 1500mm and 3000mm lengths.

917 is drilled and countersunk for wood or lugging into concrete.

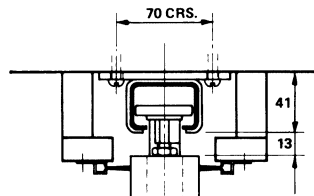
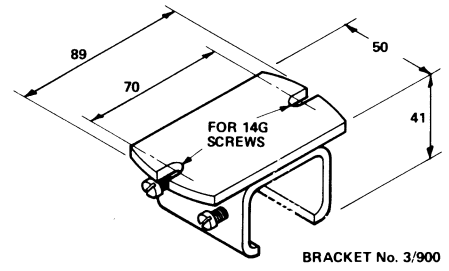
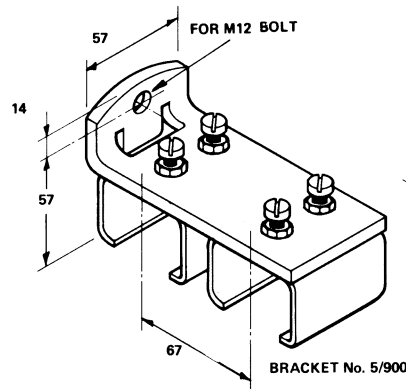
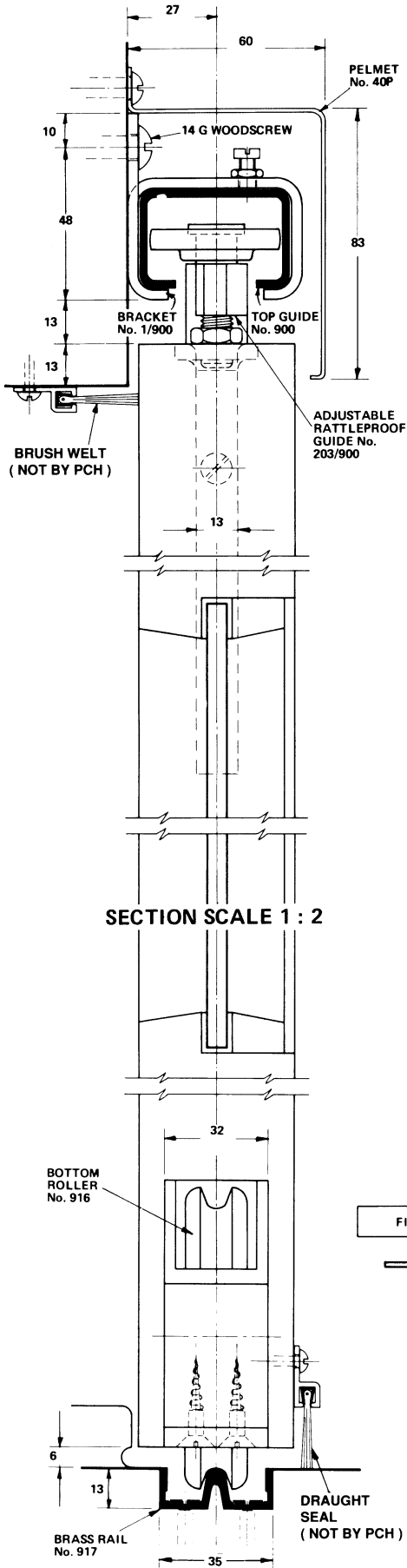
**Accessories:** Flush Pulls, Flush Bolts and Locks.

## STRAIGHT SLIDING BOTTOM ROLLER TIMBER DOORS

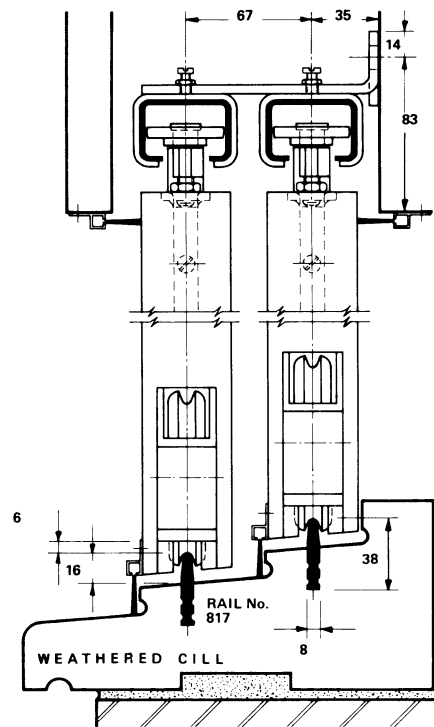
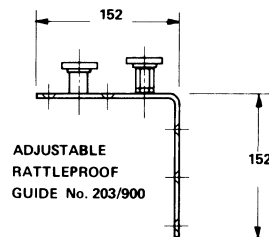


Standard Application

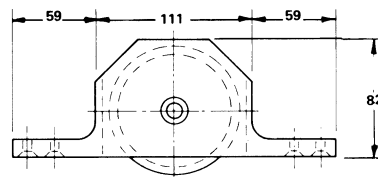
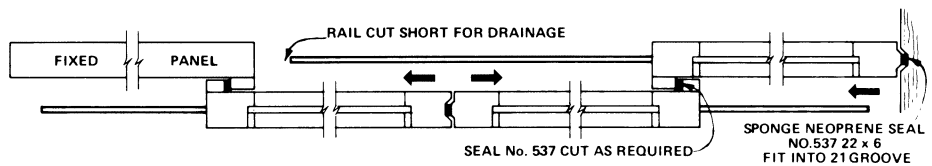
# STRAIGHT SLIDING MAJESTIC 270



SINGLE DOOR WITH GUIDES No. 203/900 IN SAFETY GUIDE No. 900 WITH SOFFIT FIXING BRACKETS No. 3/900



PASSING DOORS WITH GUIDES Nos. 203/900 SUPPORTED BY DOUBLE SIDEWALL BRACKETS No. 5/900



BOTTOM ROLLER No. 916 BRASS ROLLER - BALL JOURNAL BEARING

# STRAIGHT SLIDING STERLING 225

E A C H D O O R W E I G H T M A X 2 2 5 k g

## APPLICATION

- ▶ Sterling gear is designed for a wide range of domestic, commercial and industrial applications.
- ▶ The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- ▶ The top guide channel may be soffit fixed or face fixed.
- ▶ To cover any width of opening, any number of doors can be used on single or multiple lines of track.
- ▶ To accommodate different building designs, doors can slide to one or both sides.
- ▶ Wicket doors for easy access may be incorporated into a sliding door.
- ▶ Where doors are fitted externally, a canopy is recommended to protect the top guide channel and rollers.

## DOOR SPECIFICATION

For individual doors:

Max Door Height	3300mm
Max Door Weight	225 kg
Door Thickness	44-50mm

For ease of operation it is recommended that the door width should be at least 50% of the door height.

Timber doors may be partly or fully glazed, or framed, ledged and braced for industrial applications, also in timber doors, rollers should be positioned in the bottom door leaf section, clear of the joint between the bottom rail and stiles.

Doors must be constructed with a deep bottom section of minimum depth 230mm.

Metal doors should be framed and braced using steel angle and clad with steel sheet. On metal doors, the rollers should be positioned securely in the bottom door frame section by welding or bolting.

The bottom rail must be set level and may be recessed for protection from traffic.

## GEAR SPECIFICATION

<b>Top Guide Channel:</b>	900 galvanised steel with safety lip
Standard lengths:	2000mm, 2500mm and 3000mm

### Top Guide Brackets:

For single track (face fixing)	1/900	pressed steel zinc plated
For single track (soffit fixing)	3/900	pressed steel zinc plated
For double track (face fixing)	5/900	pressed steel zinc plated

Fix at 900mm centres (maximum).

### Top Guide Rollers (2 per door):

54/900	timber industrial applications
104/900	metal industrial applications
203/900	commercial applications

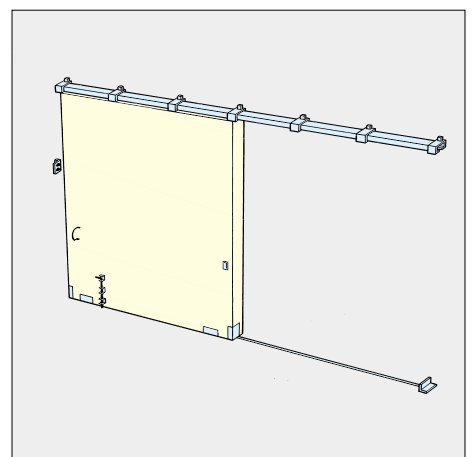
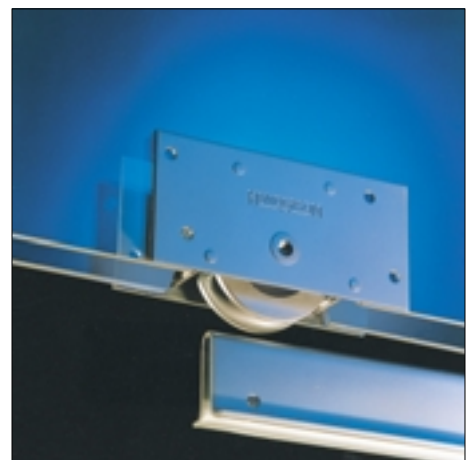
203/900 Top Guide Rollers have concealed edge fixing and double adjustable anti-rattle rollers.

<b>Bottom Rollers (2 per door):</b>	No. 5	for timber doors
	No. 5S	for metal doors
	No. 5SU	for metal doors (bolt on)

Sterling Bottom Roller is zinc plated and has maintenance free sealed for life roller bearing.

<b>Bottom Rail:</b>	299	galvanised steel
Standard Lengths:	2000mm, 2500mm and 3000mm	

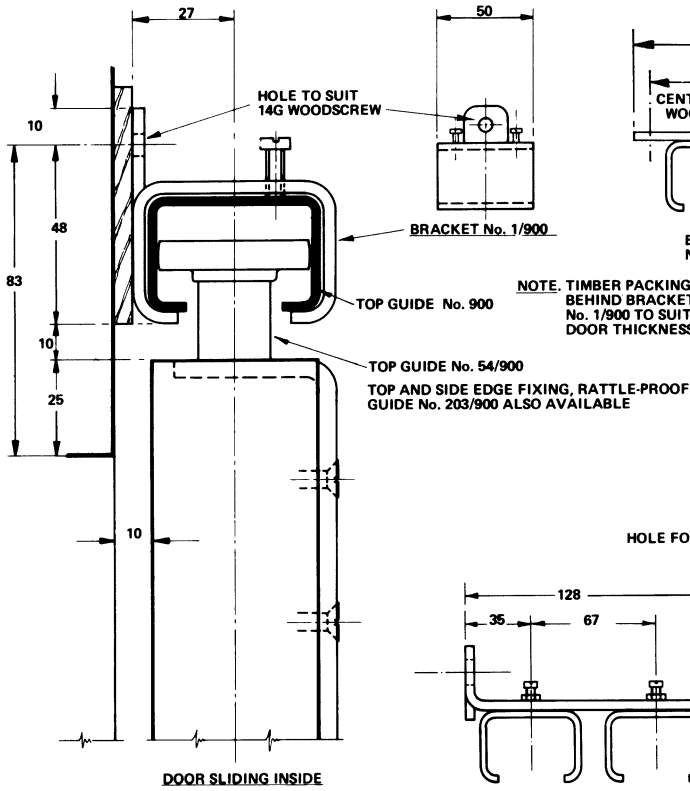
**Accessories:** Bow Handles, Flush Pulls, Bolts, Locks and Stops.



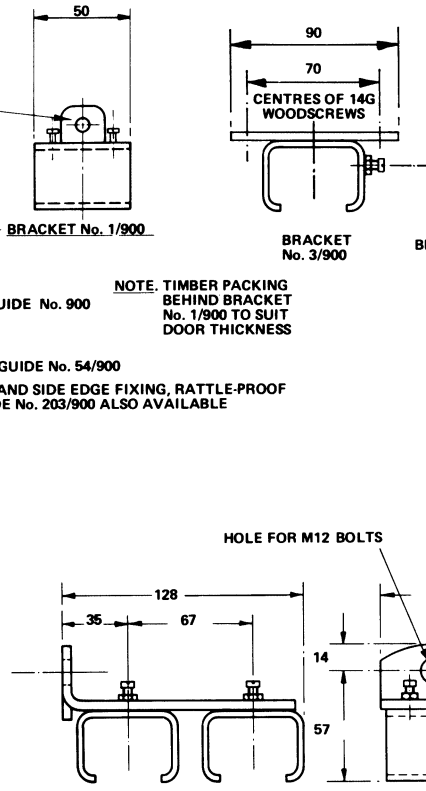
Standard Application

NON SLIDING DOORS

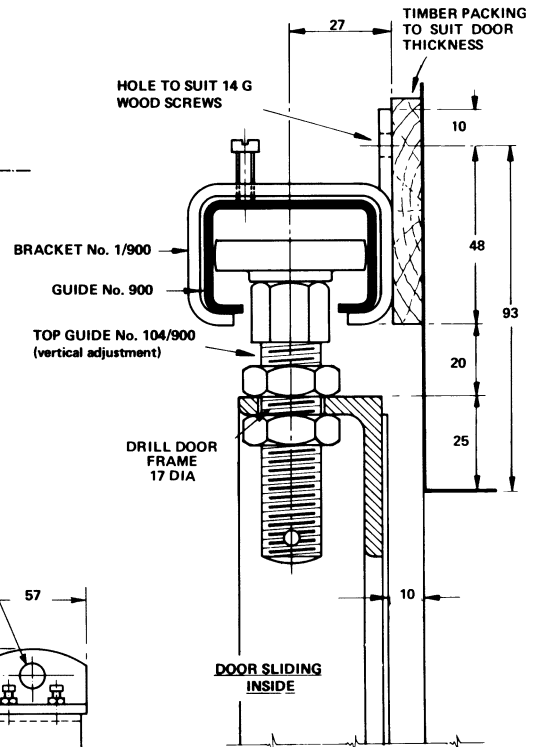
# STRAIGHT SLIDING STERLING 225



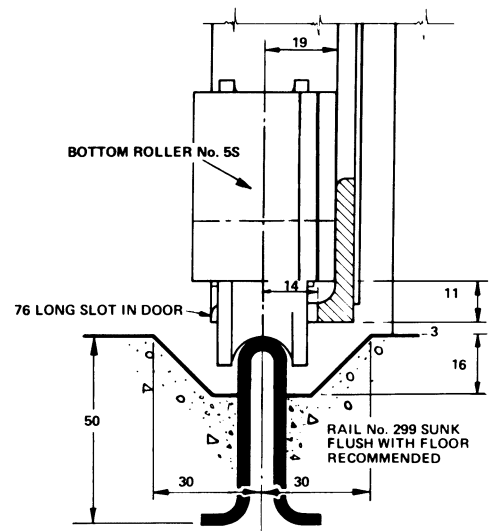
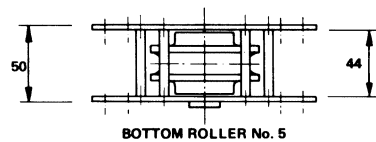
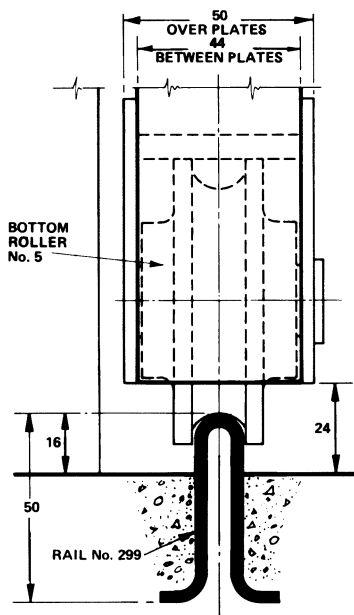
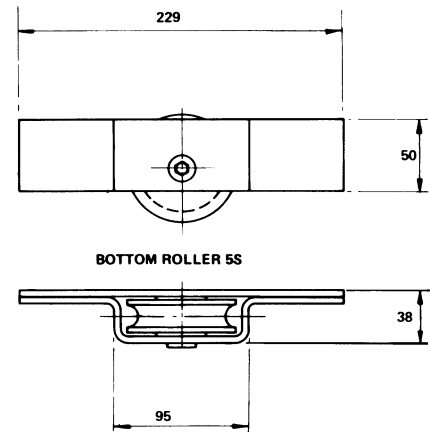
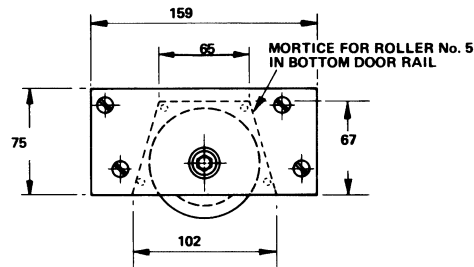
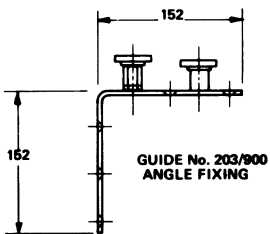
SECTION SCALE 1 : 2



DOUBLE BRACKET No. 5/900



SECTION SCALE 1 : 2



# STRAIGHT SLIDING STERLING 350

E A C H D O O R W E I G H T M A X 3 5 0 k g

## STRAIGHT SLIDING BOTTOM ROLLER TIMBER OR METAL DOORS

### APPLICATION

- ▶ Sterling gear is designed for a wide range of commercial and industrial applications.
- ▶ The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- ▶ The top guide channel may be soffit or face fixed.
- ▶ To cover any width of opening, any number of doors can be used on single or multiple lines of track.
- ▶ To accommodate different building designs, doors can slide to one or both sides.
- ▶ Wicket doors for easy access may be incorporated into a sliding door.
- ▶ Where doors are fitted externally, a canopy is recommended to protect the top guide channel and rollers.

### DOOR SPECIFICATION

For individual doors:

Max Door Height	4000mm
Max Door Weight	350 kg
Door Thickness	44-54mm

For ease of operation it is recommended that the door width should be at least 50% of the door height.

Timber doors may be partly or fully glazed, or framed, ledged and braced for industrial applications. On timber doors, rollers should be positioned clear of the joint between the bottom rail and stiles. Doors must be constructed with a bottom rail of minimum depth 230mm.

Metal doors should be framed and braced using steel angle and clad with sheeting as required. On metal doors, the rollers should be positioned securely in the bottom door frame section by welding or bolting.

The bottom rail must be set level and may be recessed for protection from traffic.

### GEAR SPECIFICATION

<b>Top Guide Channel</b>	99 heavy duty galvanised steel
Standard lengths:	2000mm, 2500mm and 3000mm

#### Top Guide Brackets:-

For single track (face fixing)	31	pressed steel zinc plated
For double track (face fixing)	35	pressed steel zinc plated
Drilled for soffit fixing.		
Fix at 900mm centres (maximum).		

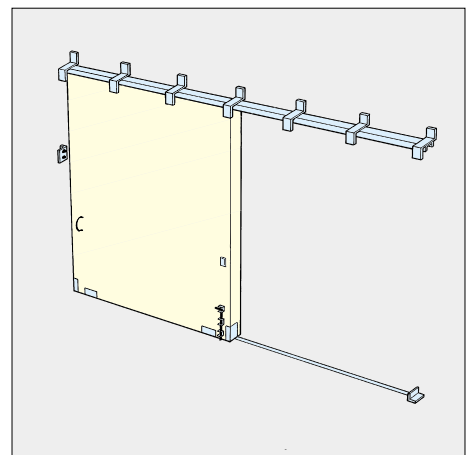
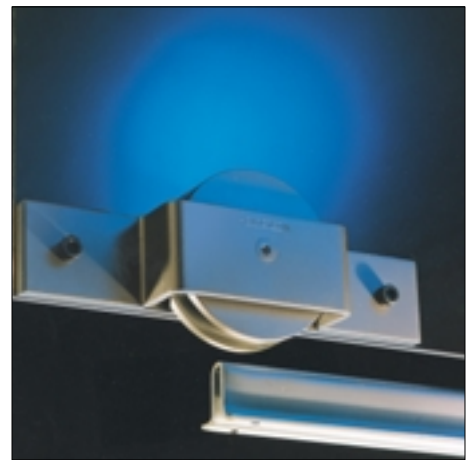
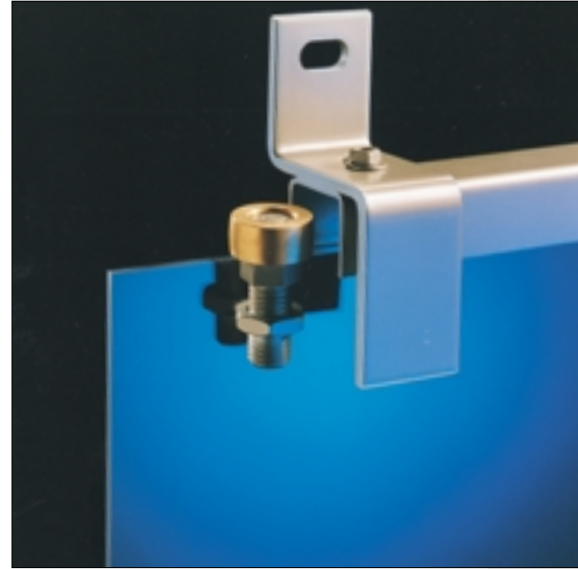
<b>Top Guide Rollers (2 per door):</b>	53/99	timber industrial applications
	104/99	metal industrial applications

<b>Bottom Rollers (2 per door):</b>	No. 2	for timber doors
	No. IS	for metal doors
	No. ISU	for metal doors (bolt on)

Sterling Bottom Roller is zinc plated and has maintenance free sealed for life roller bearing.

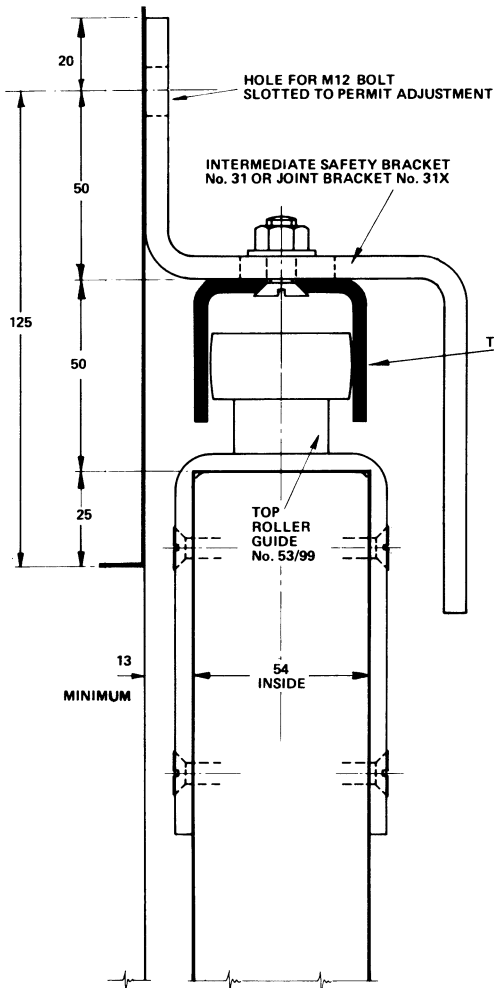
<b>Bottom Rail:</b>	298
Standard lengths:	2000mm, 2500mm and 3000mm.

**Accessories:** Bow Handles, Flush Pulls, Bolts, Locks and Stops.

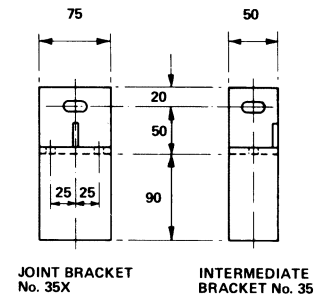
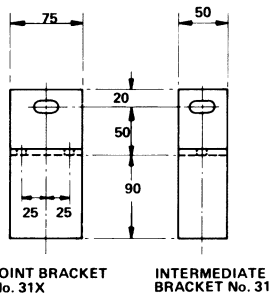


Standard Application

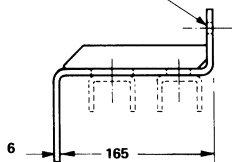
# STRAIGHT SLIDING STERLING 350



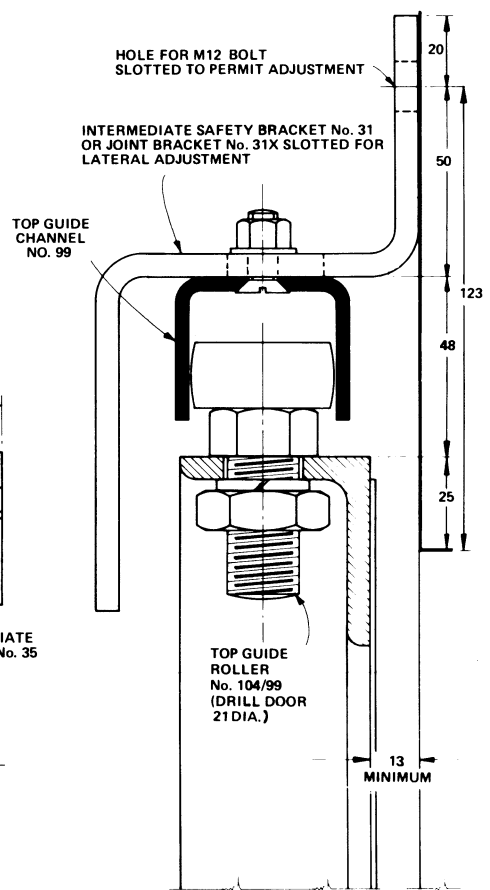
SECTION SCALE 1 : 2



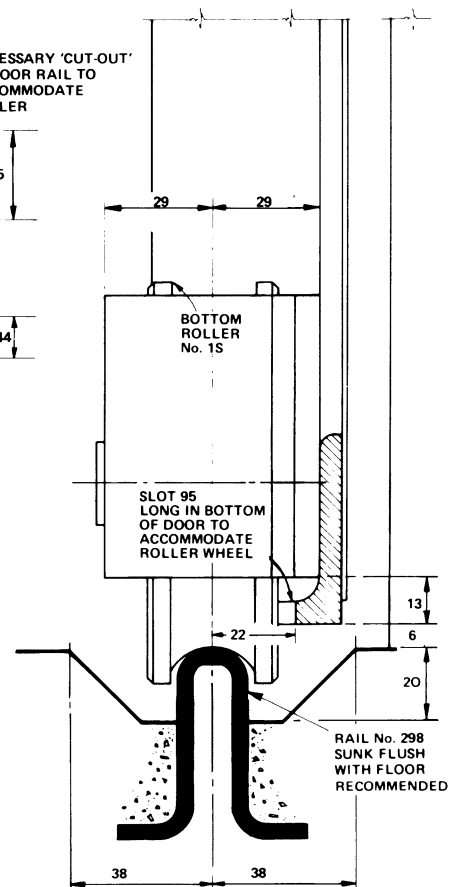
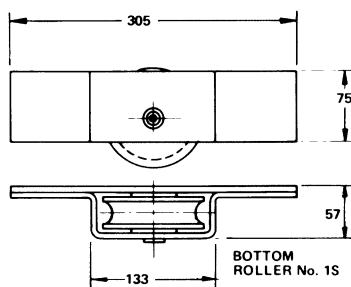
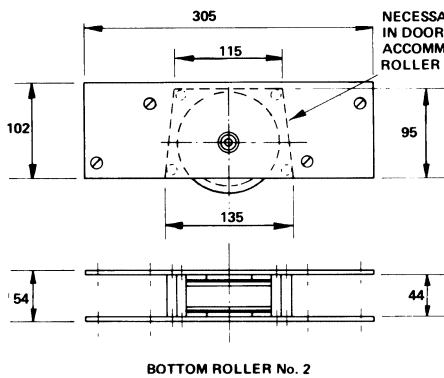
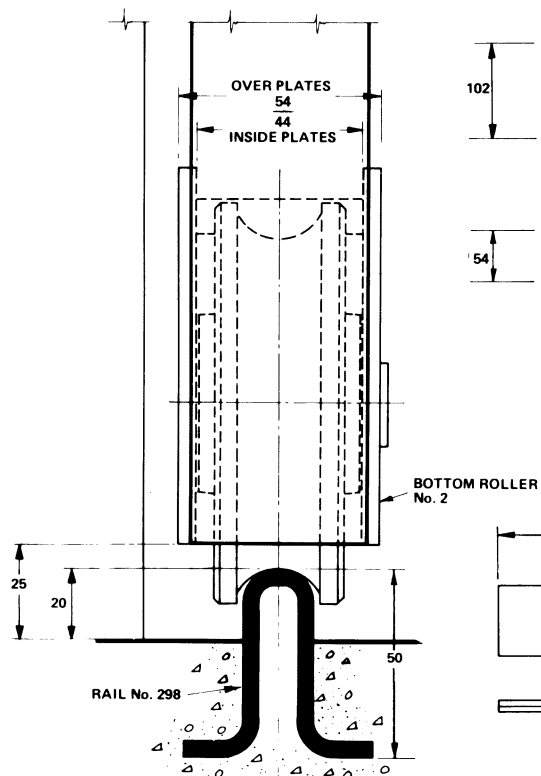
HOLE FOR M12 BOLT SLOTTED TO PERMIT ADJUSTMENT



BRACKET Nos. 35 AND 35X



SECTION SCALE 1 : 2



# STRAIGHT SLIDING STERLING 800

E A C H D O O R W E I G H T M A X 8 0 0 k g

## STRAIGHT SLIDING BOTTOM ROLLER TIMBER OR METAL DOORS & GATES

### APPLICATION

- ▶ Sterling gear is designed for a wide range of commercial and industrial applications.
- ▶ The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- ▶ The top guide channel may be soffit fixed or face fixed.
- ▶ To cover any width of opening, any number of doors can be used on single or multiple lines of track.
- ▶ To accommodate different building designs, doors can slide to one or both sides.
- ▶ Wicket doors for easy access may be incorporated into a sliding door.
- ▶ Where doors are fitted externally, a canopy is recommended to protect the top guide channel and rollers.

### DOOR SPECIFICATION

For individual doors:

Max Door Height	5200mm
Max Door Weight	800 kg
Door Thickness	54-63mm

For ease of operation it is recommended that the door width should be at least 50% of the door height.

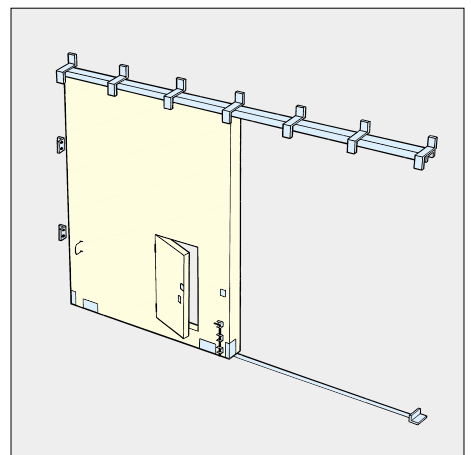
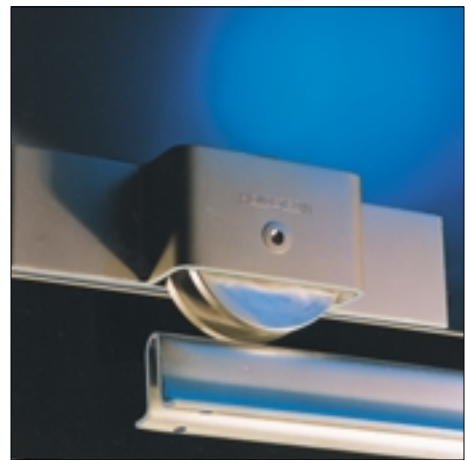
Timber doors may be partly or fully glazed, or framed, ledged and braced for industrial applications. On timber doors, rollers should be positioned clear of the joint between the bottom rail and stiles. Doors must be constructed with a bottom rail of minimum depth 300mm.

Metal doors should be framed and braced using steel angle and clad with sheeting as required. On metal doors, the rollers should be positioned securely in the bottom door frame section by welding or bolting.

The bottom rail must be set level and may be recessed for protection from traffic.

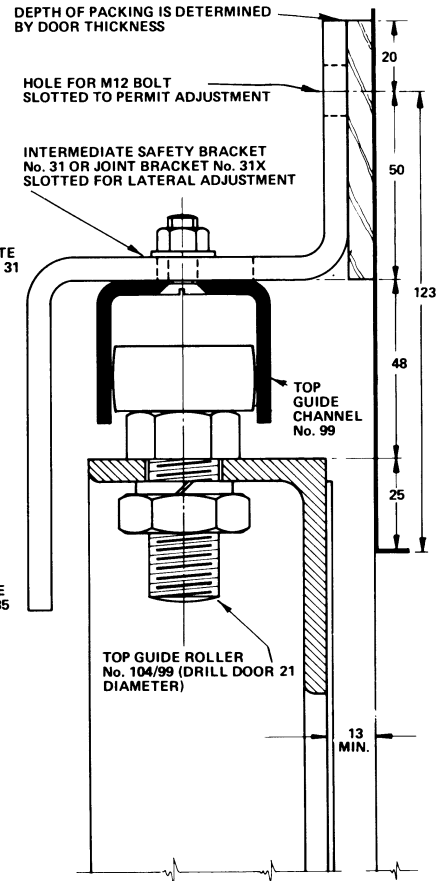
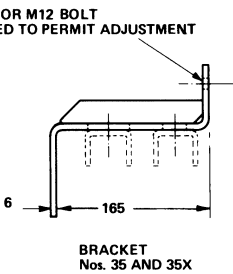
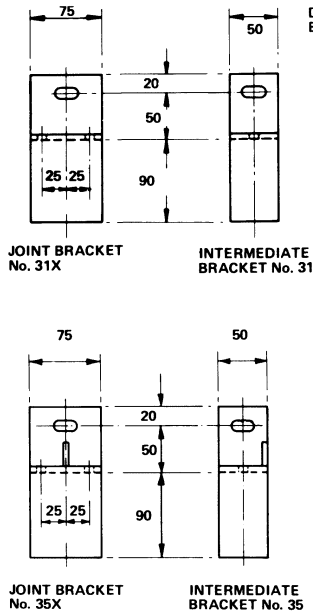
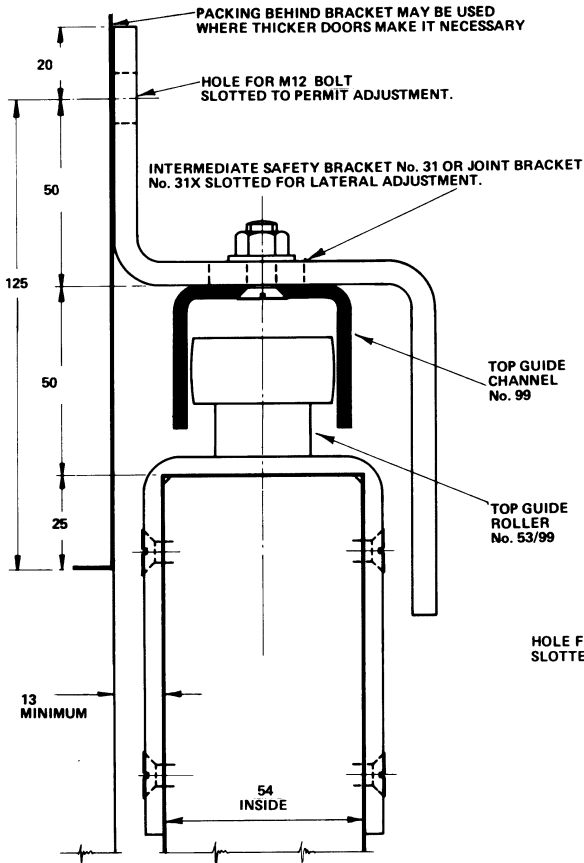
### GEAR SPECIFICATION

<b>Top Guide Channel</b>	99 heavy duty galvanised steel	
Standard lengths:	2000mm, 2500mm, 3000mm	
<b>Top Guide Brackets:-</b>		
For single track (face fixing)	31	pressed steel zinc plated
For double track (face fixing)	35	pressed steel zinc plated
Drilled for soffit fixing.		
Fix at 900mm centres (maximum).		
<b>Top Guide Rollers (2 per door):</b>	53/99	timber industrial applications
	104/99	metal industrial applications
<b>Bottom Rollers (2 per door):</b>	No.3	for timber doors
	No.3S	for metal doors
	No.3SU	for metal doors (bolt on)
Sterling Bottom Roller is zinc plated and has maintenance free sealed for life roller bearing.		
<b>Bottom Rail:</b>	298	
Standard lengths:	2000mm, 2500mm and 3000mm.	
<b>Accessories:</b>	Bow Handles, Flush Pulls, Bolts, Locks and Stops.	



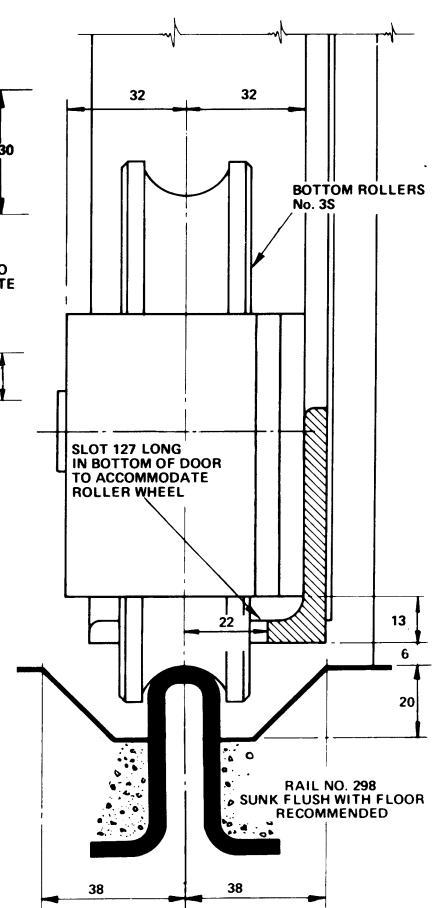
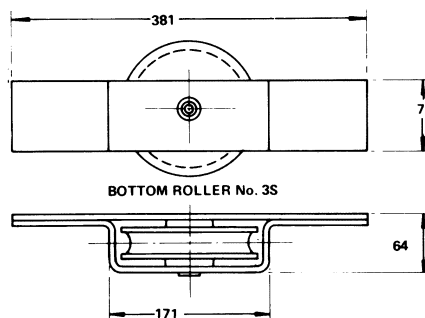
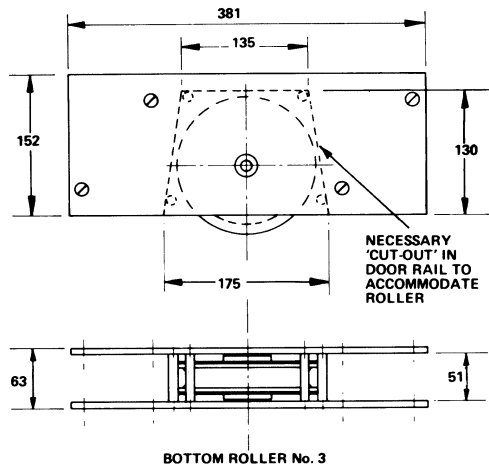
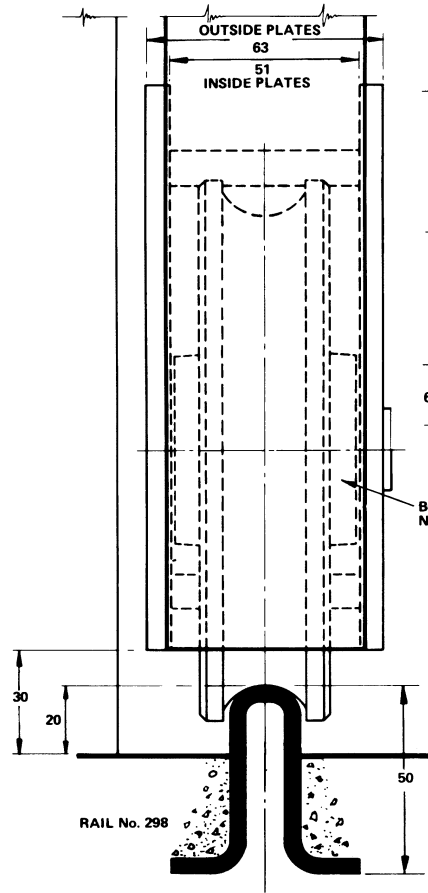
Standard Application

# STRAIGHT SLIDING STERLING 800



SECTION SCALE 1 : 2

SECTION SCALE 1 : 2



# STRAIGHT SLIDING STERLING 2000

E A C H D O O R W E I G H T M A X 2 0 0 0 k g

## APPLICATION

- ▶ Sterling 2000 gear is designed for high and heavy industrial doors.
- ▶ The bottom roller design is suited to applications where the supporting structure or lintel is insufficient for the weight of the door, or where headroom is limited.
- ▶ The top guide channel may be soffit fixed or face fixed.
- ▶ To cover any width of opening, any number of doors can be used on single or multiple lines of track.
- ▶ To accommodate different building designs, doors can slide to one or both sides.
- ▶ Wicket doors for easy access may be incorporated into a sliding door.
- ▶ Where doors are fitted externally, a canopy is recommended to protect the top guide channel and rollers.

## DOOR SPECIFICATION

For individual doors:

Max Door Height	7500mm
Max Door Weight	2000 kg
Door Thickness	58-70mm
	70 - 100mm
	(contact PCH for made to order rollers)

For ease of operation it is recommended that the door width should be at least 50% of the door height.

Timber doors should be framed, ledged and well braced to avoid bowing. Timber should be carefully selected.

On timber doors, rollers should be positioned clear of the joint between the bottom rail and stiles. Door leaves must be constructed with a deep bottom section of minimum depth 300mm.

Metal doors should be framed and braced using steel angle and clad with sheeting as required. On metal doors, the rollers should be positioned securely in the bottom door frame section by welding or bolting.

The bottom rail must be set level and may be recessed for protection from traffic.

## GEAR SPECIFICATION

<b>Top Guide Channel</b>	13 heavy duty rolled galvanised steel
Standard lengths:	2000mm and 3000mm

### Top Guide Brackets:-

For single track (face fixing)	1/13	pressed steel zinc plated
For double track (face fixing)	5/13	pressed steel zinc plated
For single track (soffit fixing)	2/13	pressed steel zinc plated
Fix at 900mm centres (maximum).		

<b>Top Guide Rollers (2 per door):</b>	53/13	timber industrial applications
	104/13	metal industrial applications

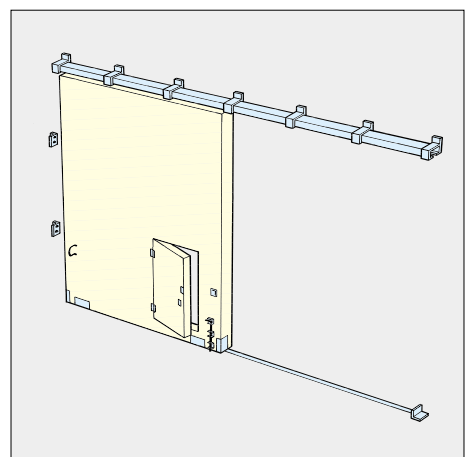
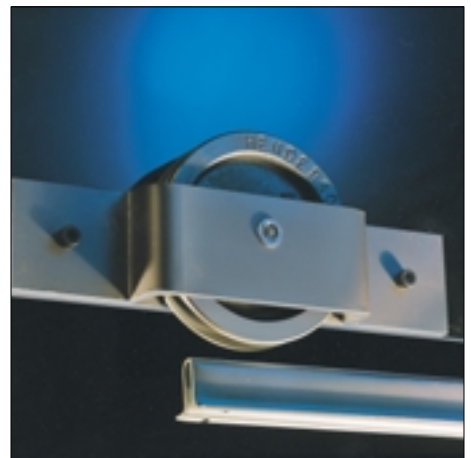
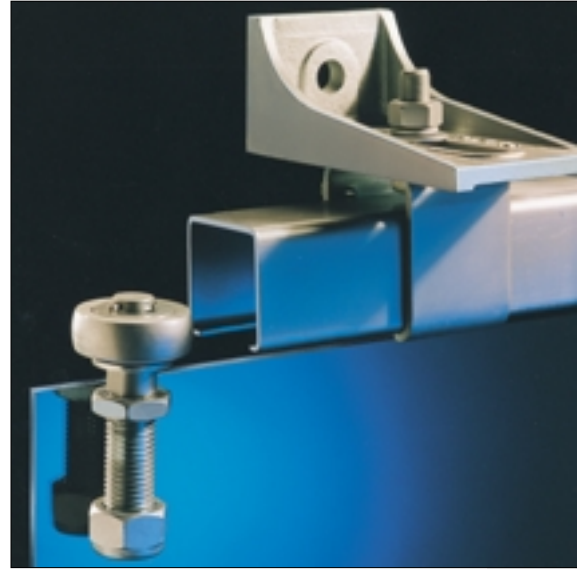
<b>Bottom Rollers (2 per door):</b>	No. 4	for timber doors
	No. 4SJ	for metal doors
	No. 4SJU	for metal doors (bolt on)

Sterling Bottom Roller is zinc plated and has maintenance free sealed for life roller bearing.

<b>Bottom Rail:</b>	298
Standard lengths:	2000mm, 2500mm and 3000mm.

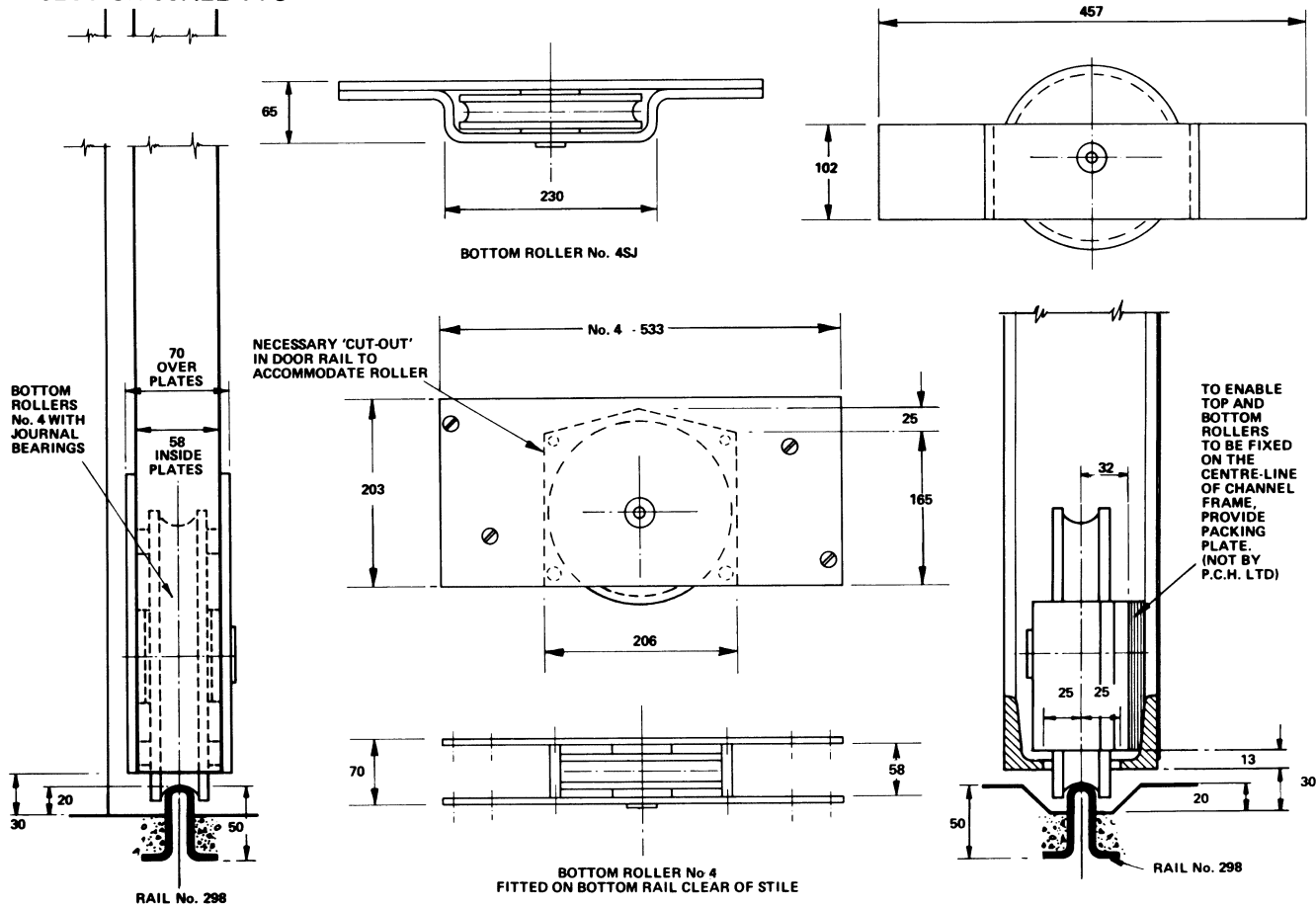
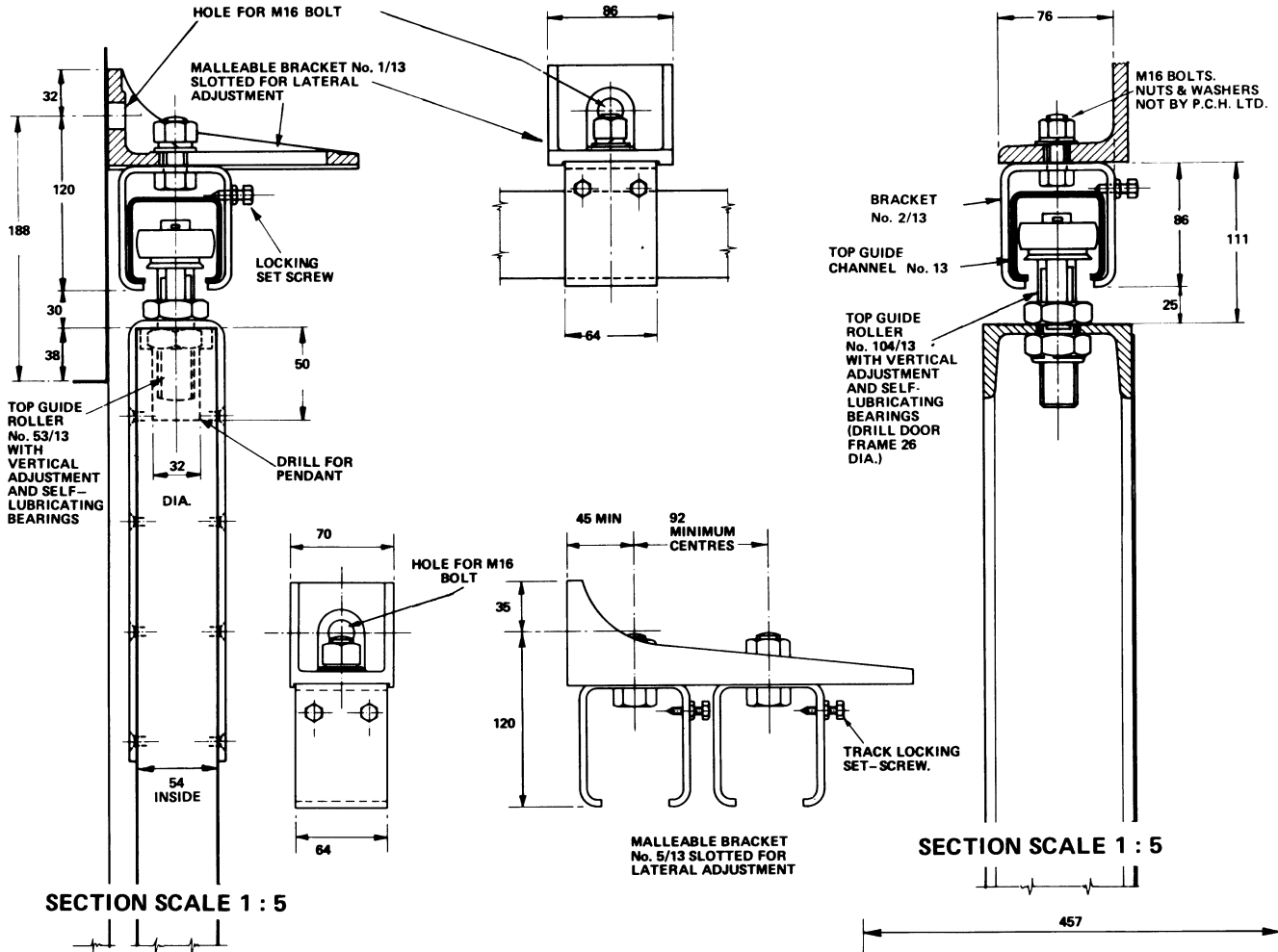
**Accessories:** Bow Handles, Flush Pulls, Bolts, Locks and Stops.

## STRAIGHT SLIDING BOTTOM ROLLER TIMBER OR METAL DOORS & GATES



Standard Application

# STRAIGHT SLIDING STERLING 2000



# STRAIGHT SLIDING STERLING 3600/8000

EACH DOOR WEIGHT MAX 3600kg & 8000kg

## STRAIGHT SLIDING BOTTOM ROLLER HEAVY METAL FRAMED DOORS & GATES

### APPLICATION

- ▶ Sterling 3600 and 8000 gear is designed for very high and heavy straight sliding industrial doors.
- ▶ The bottom roller design allows the weight of the door to be taken at ground level.
- ▶ The Top Guide Channel (not by PC Henderson) is to be designed and incorporated within the building structure.
- ▶ Bottom rollers are designed for each individual application and are dependant on the thickness of the door.
- ▶ To cover any width of opening any number of doors can be used on single or multiple lines of track.
- ▶ To accommodate different building designs doors can slide to one or both sides of the opening.
- ▶ Wicket doors for easy access may be incorporated into a sliding door.
- ▶ Doors are manually operated via a mechanically operated drive unit and can be adapted for electrical operation.

### DOOR SPECIFICATION

	3600	8000
For individual doors:		
Max Door Height	12500mm	20000mm
Max Door Weight	3600 kg	8000 kg
Door Thickness	152mm minimum	152mm minimum

Door design must be carried out by an engineer and must take into consideration wind-loadings.

Doors generally should be constructed from rolled sectional channel and braced to prevent door twist.

The bottom rail must be set level and may be recessed for protection from traffic.

### GEAR SPECIFICATION

	3600	8000
<b>Top Guide Channel:</b>		
The Top Guide channel should be fabricated from rolled steel section which is incorporated within the building structure.		

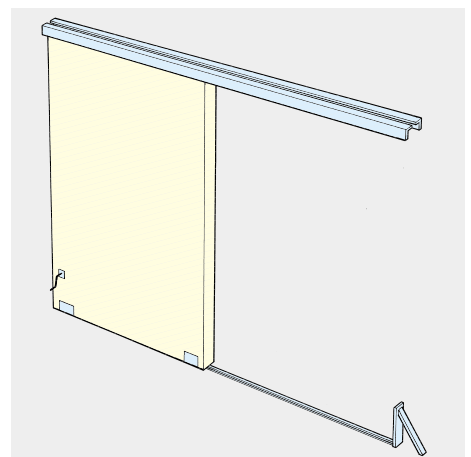
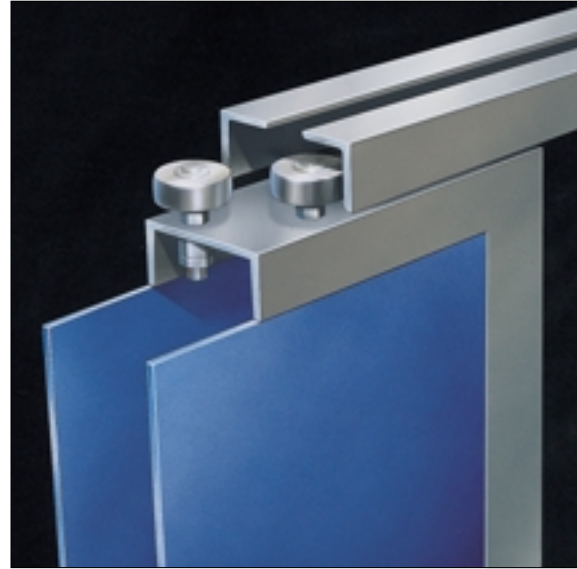
**Top Guide Rollers (4 per door):** 104S 104S  
 Top Guide Rollers are available in 125, 175 and 200mm diameters to suit respective door heights: 7000mm, 12500mm and 20000mm.  
 Top Guide Rollers are steel zinc plated.

**Bottom Rollers (2 per door):**

Gear operated	3600GO	8000GO
Idler	3600IR	8000IR

To enable manual operation, gear operated bottom rollers must be used in conjunction with mechanically operated drive unit and crank handle.

**Bottom Rail:** 297 297  
 Heavy steel section available in standard lengths of 2700mm.



Standard Application

# STRAIGHT SLIDING STERLING 3600/8000

