



INDUSTRIAL ROLLING DOORS

Roll-A-Door®

Mini Warehouse



Traditional Industrial



Squareline Industrial



Rollmasta®

Light Industrial





Rolling Door Details

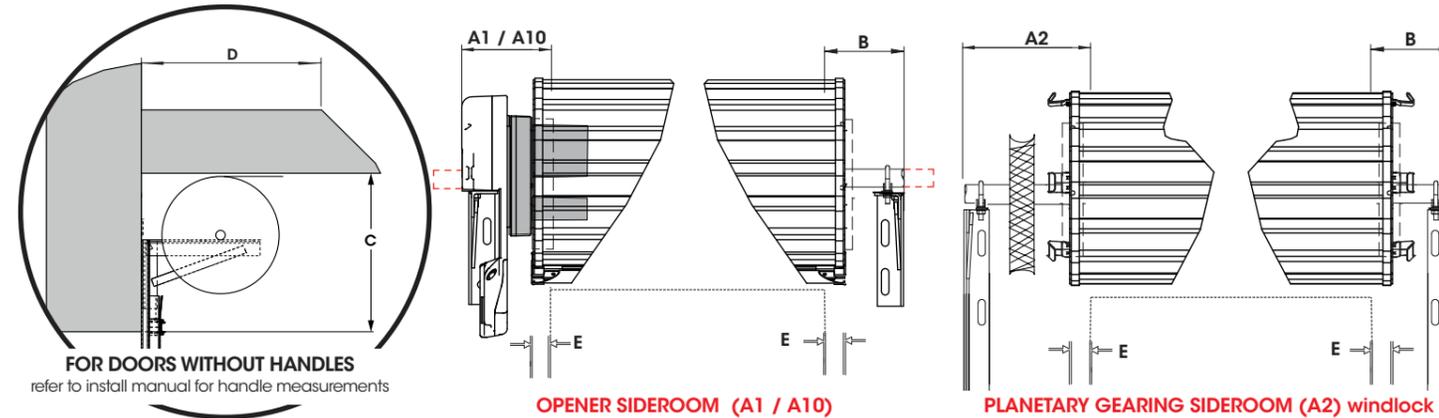
Description	Model Name Type	Roll-A-Door®								Rollmasta®			
		Mini Warehouse		Traditional Industrial		Squareline Industrial		Light industrial					
		Series 1		Series 2		Series 3		Series 2					
Model code		R1M		R2I		R3I		R2F					
Door & Max Drive Through Heights (mm) (non-Wind-Lock Doors)		Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height
		1250	1250	2100	2000	2100	2000	2100	2000	2100	2000	2100	2000
		2100	2100	2400	2300	2400	2300	2400	2300	2400	2300	2400	2300
		2400	2400	3000	3000	2700	2600	3000	3000	3300	3300	3000	3000
		2700	2700	3300	3300	3000	2900	3300	3300	3600	3600	3300	3300
		3000	3000	3600	3600	3300	3200	3600	3500	4200	4200	3600	3600
			4200	4200	3600		4200	4200	5100	5100	4200	4200	
			5100	5100			5100	5100			5100	5100	
Max Door Width (including overlap)		3150mm		5500mm		5500mm		5100mm					
Profile (W) x (D)													
		83mm x 16mm		76mm x 20mm		83mm x 16mm		76mm x 20mm					
CURTAIN													
Coil thickness		0.4mm		0.5mm		0.5mm		0.4mm					
Curtain separator, mini top sheet limit curtain rub		.											
Minimum curtain overlap each side with steel door stops		30mm		50mm		50mm		50mm					
Drum Type		S1 Castellated Polydrum		S2 pressed metal		S3 pressed metal		S2 pressed metal					
Nylofelt® for smooth, quiet, greaseless operation.		.		.		.		.
GUIDES													
Guide options		Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked
		galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium
Door guide block with double roller		.		.		.		.
OPERATION													
Drive equipment options		Manual & Automation		Manual, Auto, Chain & Plantetary		Manual, Auto & Chain		Manual, Auto, Chain & Plantetary					
LOCKS													
Waist height internal slide bolt locking system		.		optional		.		.					
Centre lift lock with internal turn knob				optional		optional		optional					
Internal / external bottom rail slide bolt locking with padlock				optional		optional		.					
Cylinder barrel locking		optional											
Chain locking. Chain cleat is not lockable				optional		optional		optional					
MANUFACTURING													
Factory	VIC	.		.		.		.
	NSW	.		.		.		.
	QLD	.		.		.		.
	WA	.		.		.		.
SEALS & SPRINGS													
Aluminium bottom rail with weatherseal				.		.		.					
Weatherseal with deep cushioning		.											
Spring cycle rating (higher, the longer service life)		30,000 cycles		30,000 cycles		30,000 cycles		15,000 cycles					
Optional Extras													
Rolling Door Opener		PowerDrive, Roll-A-Pro,		GDO-10 , GDO-12		GDO-10 , GDO-12		GDO-10 , GDO-12					
Smart Phone Control		PowerDrive only		GDO-12 only		GDO-12 only		GDO-12 only					
Fixed or independent tapers		.		.		.		.
Slots for ventilation				.		.		.					
High Wind Region (Refer to Certification Drawings for applicable door size)		A	B	C	D	A	B	C	D	A	B	C	D
	



operation abilities

Operation	Model Name Type	Roll-A-Door®						Rollmasta®	
		Mini Warehouse		Traditional Industrial		Squareline Industrial		Light industrial	
		Series 1		Series 2		Series 3		Series 2	
Model code		R1M		R2I		R3I		R2F	
No Chain Equipment	Door Height	Availability	Door Height	Availability	Door Height	Availability	Door Height	Availability	
	1250	•	2100	•	2100	•	2100	•	
	2100	•	2400	•	2400	•	2400	•	
	2400	•	3000	optional	2700	optional	3000	optional	
	2700	•	3300	optional	3000	optional	3300	optional	
	3000	•	3600	optional	3300	optional	3600	optional	
				4200	optional	3600	optional	4200	optional
				5100	optional			5100	optional
Automation (Openers and Smart Phone control)	Door Height	Availability	Door Height	Availability	Door Height	Availability	Door Height	Availability	
	1250	optional	2100	optional	2100	optional	2100	optional	
	2100	optional	2400	optional	2400	optional	2400	optional	
	2400	optional	3000	optional	2700	optional	3000	optional	
	2700	optional	3300	optional	3000	optional	3300	optional	
	3000	optional	3600	optional	3300	optional	3600	optional	
				4200	optional	3600	optional	4200	optional
				5100	optional			5100	optional
Direct Drive Chain	Door Height	Availability	Door Height	Availability	Door Height	Availability	Door Height	Availability	
	1250	N/A	2100	optional	2100	optional	2100	optional	
	2100	N/A	2400	optional	2400	optional	2400	optional	
	2400	N/A	3000	•	2700	•	3000	•	
	2700	N/A	3300	N/A	3000	•	3300	N/A	
	3000	N/A	3600	N/A	3300	•	3600	N/A	
				4200	N/A	3600	•	4200	N/A
				5100	N/A			5100	N/A
Planetary Gearing Chain	Door Height	Availability	Door Height	Availability	Door Height	Availability	Door Height	Availability	
	1250	N/A	2100	optional	2100	N/A	2100	optional	
	2100	N/A	2400	optional	2400	N/A	2400	optional	
	2400	N/A	3000	optional	2700	N/A	3000	optional	
	2700	N/A	3300	•	3000	N/A	3300	•	
	3000	N/A	3600	•	3300	N/A	3600	•	
				4200	•	3600	N/A	4200	•
				5100	•			5100	•

installation requirements



dimension table										
Door Model Code	Door height (mm)	Door width (mm)	DRIVE TYPE			Minimum Sideroom Plain Side	Recommended Headroom #	Recommended Backroom for installation	Min' Curtain Overlap	
			Minimum Sideroom Opener Side	Minimum Sideroom Chain Side***	Minimum Sideroom Planetary Side					
			A1* / A10**	A2	B					C	D	E****
R1M Series 1	up to 2400	up to 3000	115 / NA	N/A	N/A	85	430	480	30	
	2401 - 3000						450	500		
Windlocked Series 1	up to 2400		140 / NA	N/A	N/A	130	430	480	55	
	2401 - 3000						450	500		
R3I Series 3	up to 2400		up to 5500^	170 / 275	N/A	N/A	135	535	525	50
	2401-3600							185	565		555
Windlocked Series 3	up to 2400	200 / 305		N/A	N/A	185	535	525	55 - 68 (see note)	
		220 / 325					205	535		525
		200 / 305					225	185		565	555
R2I Series 2	up to 2400	up to 5500		170 / 275	185	225	135	590	580	50
			2401-3000					620	610	
			3001-4200					660	650	
R2F Series 2	up to 2400	up to 5100	170 / 275	185	225	135	590	580	50	
							2401-3000	620		610
							3001-4200	660		650
Windlocked Series 2	up to 2400	up to 5500	200 / 305	N/A	N/A	185	590	580	55 - 68 (see note)	
			220 / 325				205	590		580
			200 / 305				225	185		620	610
220 / 325	245		205	620	610					
3001-4200	200 / 305		N/A	255	185	660	650			
4201-5100	220 / 325		N/A	275	205	660	650			
Windlocked Series 2	up to 2400	up to 5500	200 / 305	N/A	N/A	185	590	580	55 - 68 (see note)	
			220 / 325				205	590		580
			200 / 305				225	185		620	610
220 / 325	245	205	620	610						
3001-4200	200 / 305	N/A	255	185	660	650				
4201-5100	220 / 325	N/A	275	205	660	650				

NOTE: All measurements are in millimeters (mm)

■ Windlocked Steel Substrate ■ Windlocked Masonary Substrate

Refer to installation manuals for restricted headroom measurements and doors with handles.

^ Maximum size 3000mm (H) x 5500mm (W) or 3600mm (H) x 3760mm (W)

* A1 Based on a Controll-A-Door PowerDrive and GDO-6 EasyRoller for Series 1 and GDO-12 Hiro for Series 2 & 3.

** A10 Based on a GDO-10 Toro (Right Hand Side install), Refer to GDO-10 installation manual for LHS installations.

*** Chain Drive is included as standard on certain Series 2 & 3 doors. Measurements indicated for LHS and RHS installations.

**** NOTE: Wind-Locked doors may need between 55 - 68mm curtain overlap on both sides, depending on the substrate used.



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fixed taper options

Independent tapers are an option to an existing Series 1, 2 or 3 type Roll-A-Door®. For where floors have an even 'tapered' slope across the opening, a fixed taper plate can be built into the door at the time of manufacture.
(not available when the door has perforation slottings)

The direction of a taper should always be indicated as Viewed Inside Looking Out.

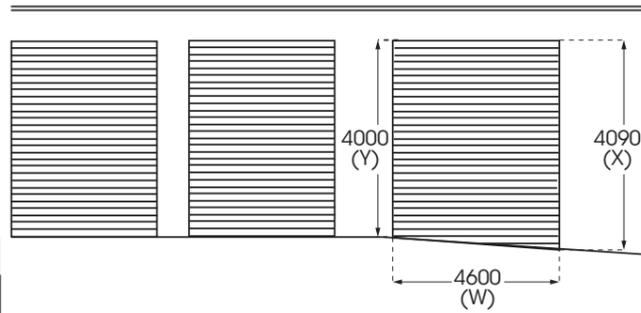
Example as shown for one door with Taper:

Minimum Taper	Maximum Taper
1 mm per 150mm of door width or 20mm, whichever is greater	1 mm per 10mm of door width or 250mm (S2, S3) 290mm (S1) whichever is less

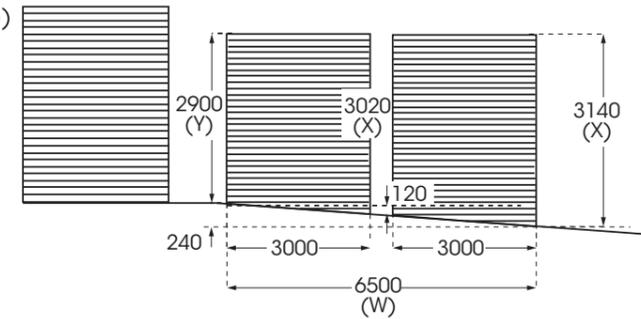
Minimum Taper at (Y) = 4600 (W) / 150 = 30.6mm (round to the nearest mm) 31mm is greater than 20mm, therefore minimum taper is 31mm

Maximum Taper at (X) = 4600 (W) / 10 = 460mm 460mm is greater than 250mm, therefore the maximum taper is 250mm

(R31 doors have a maximum width 3760mm for doors over 3000 (H))



ONE DOOR WITH TAPER
Taper = X - Y
4090 (X) - 4000 (Y) = 90mm taper



TWO DOORS WITH TAPER
Taper = X - Y
Door 1 3020 (X) - 2900 (Y) = 120mm taper
Door 2 3140 (X) - 3020 (Y) = 120mm taper

! tip Tapers are available with Windlock Doors.

In the situation where two doors are required with matched curtains and both have tapers, the maximum taper over both doors cannot be greater than the maximum allowed for a single door the width of the entire opening.

Example as shown for two doors with Taper:

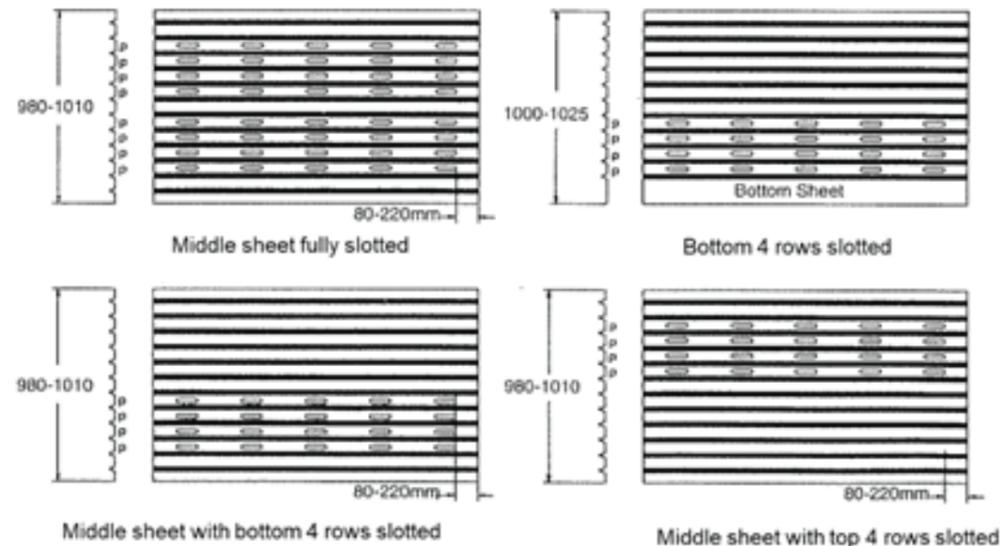
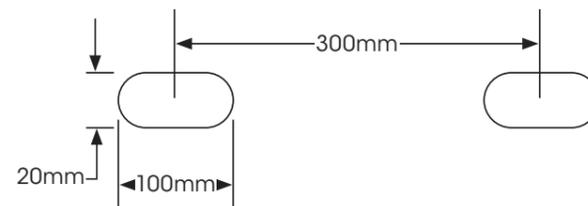
Minimum Taper at (Y) = 3000 (W) / 150 = 20 mm (round to the nearest mm) 20mm is the same as the minimum taper, therefore minimum taper is 20mm

Maximum Taper at (X) = 3000 (W) / 10 = 300mm 300mm is more than 290mm, therefore the maximum taper is 290mm for (S1) or 250mm for (S2, S3)

perforation slotting options

Configured per sheet, slotting is available in either partial or whole sheet. Where a waist high centre lift lock / handle is fitted (waist high = top of the bottom door sheet), only partial slotting is available to the bottom four flats.

The perforations are at 300mm centres with the space between them 200mm constant. The only variable is the distance between the edge of the sheet and the first and last perforation. This varies from approximately 80mm minimum to approximately 220mm maximum.

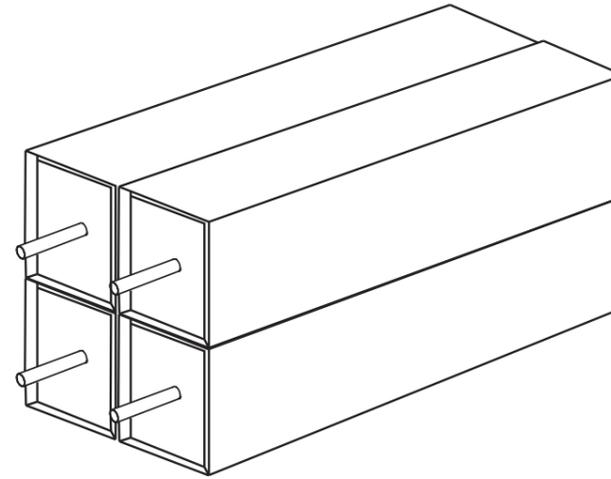


! WARNING! Perforation not available with Windlock doors.

crating options

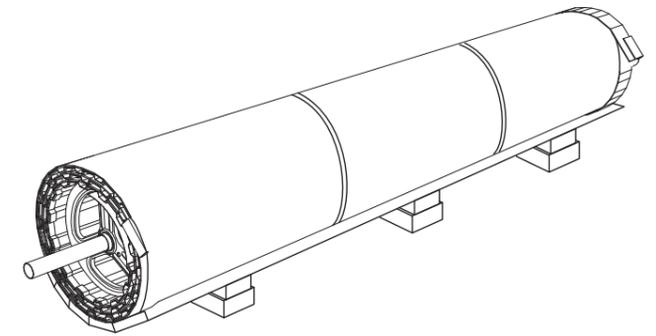
All doors are recommended to have additional crating applied particularly when third party freight is used, doors are travelling long distances and where extra protection is required.

HARD CARDBOARD BOXING



Available as an option with all Series 1 Doors

HARD CARDBOARD TUBING WITH TIMBER SKID



Available with all Series 2 & Series 3 Doors as just hard cardboard tubing or hard cardboard tubing with timber skid

Hard Cardboard Tubing available with all Series 1 Doors (except for WA)



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Rolling Door Details

Description	Model Name Type	Roll-A-Door®								Rollmasta®				
		Mini Warehouse		Traditional Industrial		Squareline Industrial		Light industrial						
		Series 1		Series 2		Series 3		Series 2						
Model code		R1M		R2I		R3I		R2F						
Door & Max Drive Through Heights (mm) (non-Wind-Lock Doors)		Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	Door Height	Max Drive Through Height	
			1250	1250	2100	2000	2100	2000	2100	2000	2100	2000	2100	2000
			2100	2100	2400	2300	2400	2300	2400	2300	2400	2300	2400	2300
			2400	2400	3000	3000	2700	2600	3000	3000	3000	3000	3000	3000
			2700	2700	3300	3300	3000	2900	3300	3300	3300	3300	3300	3300
			3000	3000	3600	3600	3300	3200	3600	3500	3600	3600	3600	3600
				4200	4200	3600		4200	4200	5100	5100	5100	5100	
				5100	5100									
Max Door Width (including overlap)		3150mm		5500mm		5500mm		5100mm						
Profile (W) x (D)														
		83mm x 16mm		76mm x 20mm		83mm x 16mm		76mm x 20mm						
CURTAIN														
Coil thickness		0.4mm		0.5mm		0.5mm		0.4mm						
Curtain separator, mini top sheet limit curtain rub		.												
Minimum curtain overlap each side with steel door stops		30mm		50mm		50mm		50mm						
Drum Type		S1 Castellated Polydrum		S2 pressed metal		S3 pressed metal		S2 pressed metal						
Nylofelt® for smooth, quiet, greaseless operation.		.		.		.		.
GUIDES														
Guide options		Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	Non Windlocked	Windlocked	
		galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	galvanised metal	HD aluminium	
Door guide block with double roller		.		.		.		.
OPERATION														
Drive equipment options		Manual & Automation		Manual, Auto, Chain & Plantetary		Manual, Auto & Chain		Manual, Auto, Chain & Plantetary						
LOCKS														
Waist height internal slide bolt locking system		.		optional		.		.						
Centre lift lock with internal turn knob				optional		optional		optional						
Internal / external bottom rail slide bolt locking with padlock				optional		optional		.						
Cylinder barrel locking		optional												
Chain locking. Chain cleat is not lockable				optional		optional		optional						
MANUFACTURING														
Factory	VIC	.		.		.		.
	NSW	.		.		.		.
	QLD	.		.		.		.
	WA	.		.		.		.
SEALS & SPRINGS														
Aluminium bottom rail with weatherseal				.		.		.						
Weatherseal with deep cushioning		.												
Spring cycle rating (higher, the longer service life)		30,000 cycles		30,000 cycles		30,000 cycles		15,000 cycles						
Optional Extras														
Rolling Door Opener		PowerDrive, Roll-A-Pro,		GDO-10 , GDO-12		GDO-10 , GDO-12		GDO-10 , GDO-12						
Smart Phone Control		PowerDrive only		GDO-12 only		GDO-12 only		GDO-12 only						
Fixed or independent tapers		.		.		.		.
Slots for ventilation				.		.		.						
High Wind Region (Refer to Certification Drawings for applicable door size)		A	B	C	D	A	B	C	D	A	B	C	D	
		

