

# METALBIT DOORS SECURITY GRILLE & SHUTTER SELECTION CHART

MB-AL-SEL

24/11/2017	Operation Methods								
Product Type Maximum Sizes (Height x Width)	1. Spring Balanced (Manually pull up & down)	2. Manual Handchain	3. Standard Metalbit Motorising (GB) 3 Phase Gearbox 185mm/sec	4. LCM Motorising 1 Phase 150mm/sec	5. Internal Barrel Motorising (IBM) 1 Phase 150mm/sec	6. DH-50 Motorising 1 Phase 160mm/sec	7. High Cycle Motorising 3 Phase 185mm/sec	8. Metalbit 66T Motorising (GB) 3 Phase Gearbox 115mm/sec	9. Metalbit Medium Duty Motorising (MD) 3 Phase 92mm/sec
<b>Standard Aluminium Shutter</b>	3H x 4W	-	-	4.5H x 5.75W	4.5H or 5.75W, Max 18m <sup>2</sup>	-	-	-	-
<b>Series 3 Aluminium Shutter</b>	-	4.5H x 5.25W	6H or 8W, Max 30m <sup>2</sup> . see 8. & 9. for larger sizes	4.5H or 6W, 15m <sup>2</sup>	4.5H or 4.75W, 12m <sup>2</sup>	4.5H x 5.25W	4H x 5.25W	6H or 8W, From 30m <sup>2</sup> to Max 40m <sup>2</sup>	6H or 8W, From 40m <sup>2</sup> to Max 45m <sup>2</sup>
<b>Clearspan Shutter</b>	3.5H x 4W	-	-	4H x 5W	4H x 5W	-	-	-	-
<b>12mm Aluminium Grille</b>	3.5H x 4W	-	-	4H x 5.5W	4H x 5.5W	-	-	-	-
<b>19mm Aluminium Grille Light Commercial (LC)</b>	3.5H x 4W	-	-	4.5H or 8W, 30m <sup>2</sup>	4.5H or 8W, 25m <sup>2</sup>	-	-	-	-
<b>19mm Aluminium Grille Heavy Duty Commercial (HD)*</b>	-	4.5H x 6W	6H or 10W, Max 30m <sup>2</sup> . see 8. & 9. for larger sizes	-	-	4.5H x 6W	4H x 6W	6H or 10W, From 30m <sup>2</sup> to Max 40m <sup>2</sup>	6H or 10W, From 40m <sup>2</sup> to Max 45m <sup>2</sup>

### Guidance Notes for Selection

- Select **Product Type** from L.H. column
- Select the means of **Operation** from top row. Consider application of door before selecting motorising option.
- Product Type** and **Operation** must be within door Maximum Size criteria shown assuming minimal windloading.
- #3. GB, #8. 66T-GB & #9. MD** recommended motorising to provide the highest level of durability for respective product.
- #4. LCM Motorising** is for smaller low use doors. Automatic handchain override. Ensure access for maintenance.
- #5. Internal Barrel Motor (IBM)** is built into the inside of the door barrel. Manual crank handle override. Ensure access for maintenance.
- High Cycle Motorising** recommended if over 30 cycles/day. Service contract recommended.
- For higher speed options or oversized doors refer to Engineering Department.
- Logic Controllers - fully automated door controller with building management system integration options.
- Controller pushbuttons should be positioned to ensure visibility of the opening and not be accessible by the general public.  
Consider use of a key switch to minimise the risk of operation by untrained users.

Whilst every endeavour is made to keep this specification up to date changes may be made without notice and without incurring obligation.

Motor Control Options	Options
Standard UP/DOWN Push Buttons (inching)	<b>3, 4, 5, 6, 7, 8, 9</b>
Maintained UP* with Inching DOWN	<b>3, 6, 7, 8, 9</b>
Keyswitch Control	<b>3, 4, 5, 6, 7, 8, 9</b>
Radio Remote Control	<b>3, 4, 5, 6, 7</b>
Logic Controllers	<b>3, 6, 7, 8, 9</b>
* if Maintained DOWN operation is required, a controller must be used in conjunction with safety beams.	

