

## METALBIT DOORS SECURITY GRILLE & SHUTTER SELECTION CHART

MB-AL-SEL

12/01/2017	Operation Methods								
Product Type Maximum Sizes (Height x Width)	1. Spring Balanced (Manually pull up & down)	2. Manual Handchain	3. Standard Metalbilt Motorising (GB) 3 Phase Gearbox 185mm/sec	4. Low Cycle Motorising (LCM) 1 Phase 150mm/sec	5. Internal Barrel Motorising (IBM) 1 Phase 150mm/sec	6. Metalbilt Gearbox Motorising (GB) 1 Phase 185mm/sec	7. High Cycle Motorising (GB) 3 Phase Brake 185mm/sec	8. Metalbilt 66T Motorising (GB) 3 Phase Gearbox 115mm/sec	9. Metalbilt Medium Duty Motorising (MD) 3 Phase 92mm/sec
<i>Standard Aluminium Shutter</i>	3H x 4W	-	-	5H x 5.75W	5H or 5.75W, Max 18m <sup>2</sup>	-	-	-	-
<i>Series 3 Aluminium Shutter</i>	-	3H x 4W	6H or 8W, Max 30m <sup>2</sup> . see 8. & 9. for larger sizes	5H or 6W, 15m <sup>2</sup>	4.75H or 4.75W, 12m <sup>2</sup>	4H x 6W	4H x 6W	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>
<i>Clearspan Shutter</i>	3.5H x 4W	-	-	4H x 5W	4H x 5W	-	-	-	-
<i>12mm Aluminium Grille</i>	3.5H x 4W	-	-	4H x 5.5W	4H x 5.5W	-	-	-	-
<i>19mm Aluminium Grille Light Commercial (LC)</i>	3.5H x 4W	-	-	5H or 8W, 30m <sup>2</sup>	5H or 8W, 25m <sup>2</sup>	-	-	-	-
<i>19mm Aluminium Grille Heavy Duty Commercial (HD)*</i>	-	4H x 6W	6H or 10W, Max 30m <sup>2</sup> . see 8. & 9. for larger sizes	-	-	4H 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>
<i>19mm Stainless Steel Grille Light Commercial (LC)</i>	-	-	-	4H x 4.5W	4H x 4.5W	-	-	-	-

**Guidance Notes for Selection**

- a) Select **Product Type** from L.H. column
  - b) Select the means of **Operation** from top row. Consider application of door before selecting motorising option.
  - c) **Product Type** and **Operation** must be within door Maximum Size criteria shown assuming minimal windloading.
  - d) **#3. GB, #8. 66T-GB & #9. MD** recommended motorising to provide the highest level of durability for respective product.
  - e) **#4. Low Cycle Motorising (LCM)** is for smaller low use doors. Automatic handchain override. Ensure access for maintenance.
  - f) **#5. Internal Barrel Motor (IBM)** is built into the inside of the door barrel. Manual crank handle override. Ensure access for maintenance.
  - g) **High Cycle Motorising** recommended if over 30 cycles/day. Service contract required.
  - h) For higher speed options or oversized doors refer to Engineering Department.
  - i) Logic Controllers - fully automated door controller with building management system integration options.
  - j) Blue highlighted section is the recommended motorising option for set door.
- 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.

