

INSTALLATION

Roller Shutter Installation Limits

Safe installation sizes by shutter range, operator selection by door area, barrel diameters, flange thicknesses and shaft wall thicknesses.

REFERENCE	INST-SHUTTER-SIZES
EDITION	Rev 1
LANGUAGE	English

This sheet sets the sizes a BossDoor roller shutter is built to. Every figure is a limit on the assembly, not on the slat alone: a curtain inside its limit but on an undersized barrel or an undersized shaft is outside it.

Widths are given as W, heights as C. All dimensions in metres unless marked otherwise.

1. Safe installation size by range

The largest opening each slat section is rated to close. Past these sizes the curtain is a wide-span assembly and the governing load moves from the curtain weight to wind pressure on the closed face.

Range	Section	Maximum opening
Boss Strong (wide span)	CD.80	W 8.5 x C 8.0
	BO.90A	W 7.5 x C 7.0
	CD.100	W 10.5 x C 10.0
	CD.140NT	W 10.0 x C 10.0
Boss Elegant (grille)	BO.88NT	W 6.5 x C 6.0
	BO.88K	W 6.5 x C 6.0
Boss S-Bright (daylight)	BO.69SS	W 6.5 x C 6.0

Range	Section	Maximum opening
Boss Standard	BO.57	W 6.0 x C 5.5
	BE.55D	W 6.0 x C 5.0
	BE.55T	W 5.5 x C 5.0
	BE.55S	W 5.0 x C 4.0
Boss VR (solid slat)	T-DL	W 5.5 x C 5.0
	T-EX	W 5.5 x C 5.0
	ECO	W 4.5 x C 4.5
	ECO.S	W 4.5 x C 4.5

2. Operator by door area

Operators are selected on door area. A blank means that range does not carry an operator for that area.

Door area	Kasankie	BossRM	YH	Robust / Eco
up to 15 m ²	KAS.D,A 300	BRM 300	YH 300	RB.ECO 400, RB 400
15 - 20 m ²	KAS.D 400	BRM 300	YH 400	RB.ECO 600
20 - 25 m ²	KAS.A 500	BRM 500	YH 500	RB 600
25 - 30 m ²		BRM 700	YH 700	
30 - 35 m ²		BRM 700	YH 700	
35 - 40 m ²		BRM 1000	YH 1000, YH 1300, YH 1500	RB 1000
up to 80 m ²		BRM 2000		

The operator is sized against the weighed curtain, not against the opening area, whenever the two disagree. Area is the quick check; weight is the specification.

3. Barrel diameter by door height

The coiled curtain has to fit the headroom. Barrel diameter follows door height and pulley size. Dimensions in millimetres.

Pulley 230 - door height	Barrel dia.	Pulley 250 - door height	Barrel dia.
2000 - 3200	350	2000 - 3200	370
3200 - 4200	380	3200 - 4200	400
4200 - 5200	410	4200 - 5200	430
5200 - 6200	440	5200 - 6200	460
6200 - 7200	470	6200 - 7200	490

Pulley 230 - door height	Barrel dia.	Pulley 250 - door height	Barrel dia.
7200 - 8500	500	7200 - 9000	520
8500 - 10000	530	9000 - 10000	550

4. Flange thickness

Flange thickness in millimetres, with the shaft and operator it is matched to. Door height in metres.

Flange	Steel shaft	Operator	Door height
1.0	dia. 114	300 (solid slat, AC)	up to 6
1.2	dia. 114	300 - 400	up to 4
1.4	dia. 140	500 - 600	up to 5
1.6	dia. 168	700 - 800	up to 6
1.8	dia. 168 - 170	1000 - 1300	up to 7
2.0	cast shaft dia. 170 - 200	2000	up to 10

5. Shaft wall thickness

Wall thickness of the shaft by opening size and shaft diameter. A blank means that diameter is not used at that size.

Opening (W x C)	dia. 114	dia. 140	dia. 168	dia. 170
up to 3 x 3	2.0 - 2.5			
up to 4 x 4	2.5 - 3.0	3.0 - 3.5		
up to 5 x 5		3.0 - 3.5	4.0 - 5.16	
up to 6 x 6			4.0 - 5.16	
up to 7 x 7			5.16 - 7.0	
up to 8 x 8				5.6 - 7.0
up to 9 x 9				7.0 - 9.0
up to 10 x 10				9.0 - 10.8

6. Guide rails

Vented slat sections:

- KC.110 - for CD.100, CD.80 and BO.90A.
- RS.100 - for CD.100, CD.80 and BO.90A.
- RS.150 - for CD.140NT.

- KC.94E - for sections 69, 88, 57 and 55, where the 3rd-generation automatic latch with key release is fitted.
- RS.85 - for sections 69, 88, 57 and 55, without the automatic latch.
- 76.GM - for sections 69, 88, 57 and 55, without the automatic latch.

Solid slat sections:

- U63T.
- RS.75 - for solid-slat curtains on an AC operator.

7. Control and back-up

- Receivers use a rolling code, so a captured transmission does not open the door a second time.
- The matched controller works with the BossG InTel-SH.800 and BossG InTel-SH.1250 back-up units.