

All kudos opening roofs :

Checking desired louvre span is possible / calculating correct beam spec.

**STEP 1 :**  
ESTABLISH YOUR WIND ZONE & MAXIMUM LOUVRE SPAN

Find out from your Local Council the designated wind-zone for the site of your roof project.

- Either :
- Very high**
  - High**
  - Medium**
  - Low**

To check the maximum distance your Delta or Titan blade can safely span in your designated wind zone, use the *kudos* louvre span table on Technical info. page 3.

WIND ZONE	LOW	MEDIUM	HIGH	VERY HIGH
DELTA ROOF BLADE	4.4m	4.2m	4.0m	3.6m
TITAN ROOF BLADE	3.9m	3.7m	3.6m	3.4m

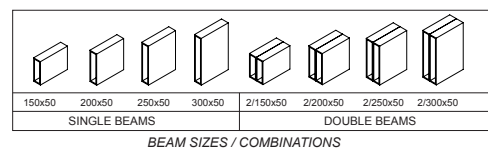
MAX. LOUVRE SPANS

*kudos* LOUVRE SPAN TABLE ; see Technical info. page 3

1. Choose blade type : **TITAN**
2. Find out your wind zone : **HIGH**
3. Check your desired roof louvre span doesn't exceed the maximum safe spanning distance : **3.6m or less**

**STEP 2 :**  
CALCULATE BEAM TYPE & SIZE REQUIRED TO SUPPORT YOUR ROOF

Once you have confirmed that your desired louvre span is ok for your wind zone, calculate the correct beam type & size for the perimeter frame which will support your roof.



**Example A :** (see below left)

Calculate beam type reqd. for a TITAN roof in a High Wind Zone, louvre span 1.9m & roof length of 3.5m.

WIND ZONE	SINGLE BEAM TYPE	LENGTH OF LOUVRE SINGLE BEAM IS SUPPORTING							
		1.2m	1.5m	2.0m	2.4m	2.8m	3.2m	3.6m	4.0m
LOW	150 x 50m	4.6m	4.4m	3.8m	3.6m	3.4m	3.2m	3.2m	3.0m
	200 x 50mm	5.8m	5.4m	5.0m	4.6m	4.4m	4.2m	4.0m	3.8m
	250 x 50mm	7.2m	6.8m	6.0m	5.8m	5.4m	5.2m	5.0m	4.8m
	300 x 50mm	8.2m	7.6m	7.2m	6.6m	6.4m	6.0m	5.8m	5.6m
MEDIUM	150 x 50m	4.2m	3.8m	3.4m	3.2m	3.2m	3.0m	2.8m	2.8m
	200 x 50mm	5.4m	4.8m	4.6m	4.2m	4.0m	3.8m	3.6m	3.6m
	250 x 50mm	6.6m	6.0m	5.6m	5.2m	5.0m	4.6m	4.6m	4.4m
	300 x 50mm	7.6m	7.0m	6.6m	6.4m	5.8m	5.6m	5.4m	5.2m
HIGH	150 x 50m	3.8m	3.4m	3.2m	3.0m	2.8m	2.6m	2.6m	2.4m
	200 x 50mm	4.6m	4.2m	4.0m	3.8m	3.6m	3.4m	3.4m	3.2m
	250 x 50mm	5.8m	5.4m	5.0m	4.8m	4.4m	4.2m	4.0m	3.8m
	300 x 50mm	6.8m	6.2m	5.8m	5.4m	5.2m	5.0m	4.8m	4.4m
VERY HIGH	150 x 50m	3.4m	3.2m	2.8m	2.6m	2.4m	2.4m	2.2m	2.2m
	200 x 50mm	4.4m	4.0m	3.8m	3.4m	3.4m	3.2m	3.0m	3.0m
	250 x 50mm	5.4m	4.8m	4.6m	4.2m	4.0m	3.8m	3.8m	3.6m
300 x 50mm	6.2m	5.8m	5.4m	5.0m	4.8m	4.6m	4.4m	4.2m	

MAX. BEAM SPANS

*kudos* BEAM SPAN TABLE ; see Technical info. page 3

1. Work within your wind zone on the beam span table : **HIGH**
2. Select the nearest louvre length equal to or longer than your desired roof louvre length : **2.0m (nearest to 1.9m)**
3. Scan down to the max. beam span value equal to or longer than your reqd. roof length : **4.0m (nearest to reqd. 3.5m)**
4. scan across to the most suitable beam/s for your roof project : **200 x 50mm beam.**

**Example A :** typical free-standing *kudos* opening roof

