



ALLOWABLE SPANS FOR SPANMOR BEAMS USED AS DECK BEARERS (FLOOR LOAD ONLY)
(ALL DIMENSIONS IN mm)

SPANMOR BEAM	JOIST SPAN						
	1800	2100	2400	3000	3600	4200	4900
BEARER 1, 105 X 50	1500	1400	1300	/	/	/	/
BEARER 1, 2/105 X 50	1700	1600	1500	1400	/	/	/
BEARER 1, 170 X 50	2000	1950	1900	1750	1650	1550	1450
BEARER 1, 2/170 X 50	2400	2200	2100	2000	1800	1600	1500
BEARER 1, 235 X 50	2800	2650	2550	2350	2200	2000	1900
BEARER 1,2/ 235 X 50	3300	3200	3000	2800	2700	2500	2400
BEARER 2, 105 X 50	1500	1400	1300	/	/	/	/
BEARER 2, 2/105 X 50	1700	1600	1500	1400	/	/	/
BEARER 2, 170 X 50	2400	2400	2300	2200	2000	1950	1900
BEARER 2, 2/170 X 50	2800	2800	2600	2500	2300	2200	2100
BEARER 2, 235 X 50	3000	3000	3000	2900	2800	2650	2550
BEARER 2,2/ 235 X 50	3500	3500	3500	3400	3300	3200	3100
BEARER 3, 105 X 50	1300	1200	/	/	/	/	/
BEARER 3, 2/105 X 50	1500	1450	1400	/	/	/	/
BEARER 3, 170 X 50	1900	1800	1750	1650	1550	1450	/
BEARER 3, 2/170 X 50	2400	2300	2200	2100	1900	1800	/
BEARER 3, 235 X 50	2550	2400	2350	2200	2000	1900	/
BEARER 3,2/ 235 X 50	3200	3100	2900	2800	2600	/	/

ALLOWABLE SPANS FOR SPANMOR BEAMS USED AS DECK BEARERS (FLOOR LOAD ONLY) FOR SKYON SHEET & TILES
(ALL DIMENSIONS IN mm)

SPANMOR BEAM	JOIST SPAN						
	1800	2100	2400	3000	3600	4200	4900
BEARER 1, 105 X 50	1200	1100	1000	/	/	/	/
BEARER 1, 2/105 X 50	1400	1300	1200	1000	/	/	/
BEARER 1, 170 X 50	1600	1550	1500	1400	1300	1250	1150
BEARER 1, 2/170 X 50	1900	1750	1700	1600	1450	1300	1200
BEARER 1, 235 X 50	2250	2100	2050	1900	1750	1700	1500
BEARER 1,2/ 235 X 50	2650	2550	2400	2250	2150	2000	1900
BEARER 2, 105 X 50	1200	1100	1050	/	/	/	/
BEARER 2, 2/105 X 50	1350	1300	1200	1100	/	/	/
BEARER 2, 170 X 50	1900	1900	1850	1750	1600	1550	1500
BEARER 2, 2/170 X 50	2250	2250	2100	2000	1850	1750	1700
BEARER 2, 235 X 50	2400	2400	2400	2300	2250	2150	2050
BEARER 2,2/ 235 X 50	2800	2800	2800	2700	2650	2550	2500
BEARER 3, 105 X 50	1050	1000	/	/	/	/	/
BEARER 3, 2/105 X 50	1200	1150	1100	/	/	/	/
BEARER 3, 170 X 50	1550	1450	1400	1300	1250	1150	/
BEARER 3, 2/170 X 50	1900	1850	1750	1700	1550	1450	/
BEARER 3, 235 X 50	2050	1950	1900	1800	1600	1500	/
BEARER 3,2/ 235 X 50	2600	2500	2350	2250	2100	/	/

ALLOWABLE SPANS FOR SPANMOR BEAMS USED AS DECK JOISTS
(ALL DIMENSIONS IN mm)

SPANMOR BEAM	ALLOWABLE SPANS (JOIST SPACED AT 300mm OR 450mm CENTRES)
105 X 50	2100
170 X 50	3300
235 X 50	4400
2. DECK LESS THAN 1000mm ABOVE GROUND LEVEL (LIVE LOAD = 1.5kPa)	
105 X 50	2400
170 X 50	3700
235 X 50	4900

NOTE: JOIST MUST BE SPACED AT 300 mm CENTRE WHEN USING 19mm OR 22mm SKYON SHEETING & TILES TO ACHIEVE THE SAME SPANS

ALLOWABLE SPANS FOR SPANMOR BEAMS USED AS DECK JOISTS FOR SKYON SHEETING & TILES
(ALL DIMENSIONS IN mm)

SPANMOR BEAM	ALLOWABLE SPANS (JOIST SPACED AT 450mm CENTRES)
105 X 50	1700
170 X 50	2600
235 X 50	3500
2. DECK LESS THAN 1000mm ABOVE GROUND LEVEL (LIVE LOAD = 1.5kPa)	
105 X 50	1900
170 X 50	3000
235 X 50	3900

NOTE:

- This is to certify that the details shown on this drawing have been checked by me and comply with relevant AS codes AS4055, AS1170 PART 0,1,2, AS4100 & AS4600
- Structural metal framework constructed from Spanmor Aluminium Beams.
- The information in this drawing can only be used for wind classifications N1 (W28) + N2 (W33) as defined in AS4055.
- All components are hold together with:
Steel Galvabond 1.1mm thick material or Aluminium 3mm thick (5005 H34),
and TEK 12G-20 screws for fixing.
- The information in this drawing has been authorised by D.J. HALL and to be used solely by Spanmor Pty Ltd.
- The Spanmor beams are Non-Combustible and can be used in all BAL ZONES as Defined in AS3959

STRUCTURAL DETAILS SATISFACTORY

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NOTE:
DO NOT SCALE OFF THE DRAWING.
USE WRITTEN DIMENSIONS.
THE BUILDER SHALL VERIFY ALL DIMENSIONS FROM COMMENCEMENT OF WORK IN-ON - SITE.

DESCRIPTION: ALLOWABLE SPANS OF SPANMOR BEAMS USED AS DECK BEARERS / JOISTS				
DATE DRAWN:	SCALE:	DRAWN BY:	CHECKED:	ISSUE:
09/5/21	NTS	WS		20/11/19

Client: _____
Address: _____
Date: _____