

HK Metal Products

Grating - General Specifications

Stock Panel Sizes (Series 1 and Series 2)	
Series 1	995 x 5800
Series 2	1005 x 5800

Surface Treatments	
Standard	mill finish ('black')
Galvanised	to AS/NZS 4680:1999

Standard Manufacturing Tolerances (all dimensions in mm)	
Overall dimensions and squareness	width, length and diagonal +0.00 -6.00
Transverse bow	±10.00 per 1000 width
Cross bar spacing	±6.00 end cross bars in 1500 length
Cross bar penetration	+2.0 - 0.0
Load bar lean	1/10
Longitudinal bow	1/200 length
Cross bar alignment	±5.00 from 90°
Transverse Bow	±5.00 from 90°

Simplified - Grating Load selection Guide

The following table provides a simple way of selecting grating for walkway applications.

For a given load bar size the maximum span specified is within the design parameters specified by AS 4300:1987 (5mm deflection at 4kPa uniformly distributed load).

Product Code	Load Bar size mm	Series 1 Steel		Series 2 Steel	
		Mass KG/m ²	Maximum Span	Mass KG/m ²	Maximum Span
HKF 203	20 x 3	19.5	1073	15.5	998
HKF 205	20 x 5	29.9	1219	23.4	1134
HKF 253	25 x 3	23.4	1268	18.5	1180
HKF 255	25 x 5	36.4	1441	28.3	1341
HKF 323	32 x 3	28.9	1526	22.6	1420
HKF 325	32 x 5	45.6	1734	35.2	1614
HKF 403	40 x 3	35.1	1804	27.3	1679
HKF 405	40 x 5	56.1	2050	43.0	1908
HKF 455	45 x 3	62.6	2239	47.9	2084
HKF 505	45 x 5	69.2	2424	52.8	2255
HKF 555	55 x 3	75.5	2603	57.7	2243
HKF 655	55 x 5	88.9	2951	67.6	2746

For more detailed information on safe loads and deflections for load bars please visit our website: www.hkmetalproducts.com.au

or contact our technical sales staff on +61 3 9580 0146



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