



**YMC® STEEL WELDED FABRIC FOR THE REINFORCEMENT OF CONCRETE**  
(Certified to MS 145:2014, License No.: PY007001)

Fabric Reference	Main Wire			Cross Wire			Mass (kg/m <sup>2</sup> )	Mechanical Properties			
	Nominal Size (mm)	Nominal Pitch (mm)	Steel Area (mm <sup>2</sup> /m)	Nominal Size (mm)	Nominal Pitch (mm)	Steel Area (mm <sup>2</sup> /m)		Yield Re (N/mm <sup>2</sup> )	Ratio Rm/Re	Agt (%)	Weld (kN)
A142	6	200	142	6	200	142	2.22	500 min. 650 max.	1.02	1.0	3.53
A193	7	200	193	7	200	193	3.02		1.02	1.0	4.81
A252	8	200	252	8	200	252	3.95		1.05	2.5	6.28
A318	9	200	318	9	200	318	4.99		1.05	2.5	7.95
A393	10	200	393	10	200	393	6.16		1.05	2.5	9.82
B283	6	100	283	7	200	193	3.73		1.02	1.0	4.81
B385	7	100	385	7	200	193	4.53		1.02	1.0	4.81
B503	8	100	503	8	200	252	5.93		1.05	2.5	6.28
B636	9	100	636	8	200	252	6.97		1.05	2.5	7.95
B785	10	100	785	8	200	252	8.14		1.05	2.5	9.82
D503	8	100	503	8	100	503	7.90	1.05	2.5	6.28	
D636	9	100	636	9	100	636	9.98	1.05	2.5	7.95	
D785	10	100	785	10	100	785	12.32	1.05	2.5	9.82	

**Note:**

1. Wires comply with MS 146:2014 Grade B500A.
2. Values of Ratio, Agt, and Weld are indicated as minimum values to the sizes respectively.
3. Length and width:  $\pm 25$  mm or  $\pm 0.5$  % whichever is the greater.
4. Bar pitch:  $\pm 10$  mm or  $\pm 5$  % whichever is the greater.

Bar Marking	Description
	<p>YMC</p> <p>8</p> <p>1</p> <p>9</p> <p>15</p> <p>Brand</p> <p>Size of wire</p> <p>Local manufactured</p> <p>Country code</p> <p>Manufacturer code</p>



SIRIM  
CERTIFIED TO MS 145:2014  
Certification No.: PY007001



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**Malaysian Standard MS 145:2014**  
**Steel Fabric for The Reinforcement of Concrete – Specification (Fourth Revision)**

**Annex A**  
(Informative)

**Notation and Classification of Fabric**

**A.2 Standard Fabric**

Standard fabric has defined mesh arrangements and bar sizes and should be specified by designated reference numbers. BS 8666 gives a table of standard fabrics with an alphanumeric reference to define the size and pitch of the longitudinal bars and cross bars. This is reproduced in Table A.1.

**Table A.1. Preferred range of designated fabric types and stock sheet size**

Fabric Reference	Longitudinal bars			Transverse bars			Mass (kg/m <sup>2</sup> )
	Nominal bar size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	Nominal bar size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	
<b>Square mesh</b>							
A664	13	200	664	13	200	664	10.42
A565	12	200	565	12	200	565	8.88
A475	11	200	475	11	200	475	7.46
A393	10	200	393	10	200	393	6.16
A318	9	200	318	9	200	318	4.99
A252	8	200	252	8	200	252	3.95
A193	7	200	193	7	200	193	3.02
A142	6	200	142	6	200	142	2.22
A98	5	200	98	5	200	98	1.54
A63	4	200	63	4	200	63	0.99
<b>Structural mesh</b>							
B1328	13	100	1328	10	200	393	13.51
B1131	12	100	1131	8	200	252	10.85
B950	11	100	950	8	200	252	9.44
B785	10	100	785	8	200	252	8.14
B636	9	100	636	8	200	252	6.97
B503	8	100	503	8	200	252	5.93
B385	7	100	385	7	200	193	4.53
B283	6	100	283	7	200	193	3.73
B196	5	100	196	7	200	193	3.05
<b>Long mesh</b>							
C1328	13	100	1328	8	400	126	11.41
C1131	12	100	1131	8	400	126	9.87
C950	11	100	950	8	400	126	8.44
C785	10	100	785	6	400	70.8	6.72
C636	9	100	636	6	400	70.8	5.55
C503	8	100	503	5	400	49	4.51
C385	7	100	385	5	400	49	3.58
C283	6	100	283	5	400	49	2.78
C196	5	100	196	5	400	49	1.93

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**Table A.1. Preferred range of designated fabric types and stock sheet size (cont')**

Fabric Reference	Longitudinal bars			Transverse bars			Mass (kg/m <sup>2</sup> )
	Nominal bar size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	Nominal bar size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	
<b>Wrapping mesh</b>							
D1328	13	100	1328	13	100	1328	20.85
D1131	12	100	1131	12	100	1131	17.76
D950	11	100	950	11	100	950	14.92
D785	10	100	785	10	100	785	12.32
D636	9	100	636	9	100	636	9.98
D503	8	100	503	8	100	503	7.90
D385	7	100	385	7	100	385	6.04
D283	6	100	283	6	100	283	4.44
D196	5	100	196	5	100	196	3.08
D126	4	100	126	4	100	126	1.97
D98	5	200	98	5	200	98	1.54
D49	2.5	100	49	2.5	100	49	0.77