

**UGI STEEL WIRE PRODUCTS SDN. BHD.**  
(738664-F)

**Product Type** : A142 (A6)  
**Size** : 2m x 4.8m (10 x 20)  
**Standard** : MS 145:2014  
**Grade** : B500A (conform to MS 145:2014)  
**Quantity** : 50 pcs  
**Batch No.** : 76  
**Bundle No.** : 400

Remarks: No. of Member 2: 4

**CREAM**  
 Certified to MS 145:2014  
 Certification No. CDR-PC 1308-19032  
 CIDB PPS No.: 1191029SR0403

# UGI STEEL MESH

UGI Steel Mesh (BMC) is factory-made machine-welded steel fabric for the reinforcement of concrete. High quality steel wire rods are cold-formed and ribbed into steel bars, straightened & pre-cut, and finally welded together by electric resistance welding as compliance to MS 146:2014 and MS 145:2014

## COMPLIANCES:

TYPE	CERTIFICATION
Product License	CIDB PPS 1191029SR0403
Fabric Certification No.	CREAM PC 1308-19032 (MS 145:2014)
Ribbed Wires Certification No.	CREAM PC 1308-19032 (MS 146:2014)
Test Method	MS ISO 15630-1 MS ISO 15630-2
Grade of Fabric	B500A
Quality Management System	ISO 9001:2015



Electric Resistance Welding (ERW)



In-House Product Testing

- All standard sheets sizes are 2m x4.8m
- Packing: all sizes = 50 sheets/bundle

## QUALITY CONTROL

With the certification of MS ISO 9001:2015 Quality Management System, UGI ensures high quality of ribbed wires by performing in-house testing as -complying to MS 146:2014 and MS 145:2014.

\*Products as detailed above complied with the requirements of the appropriate Standard(s) and the Certification Scheme Requirement of CREAM Certification Services (CCS).

BAR MARKING	DESCRIPTION
	1
	9
	403
	Local Manufactured
	Country Code
	Manufacturer Code

### FABRIC SIZES: 2M X 4.8M (10 X 23)

Fabric Preference	MAIN WIRE			CROSS WIRE			Mass Per Area (kg/m <sup>2</sup> )	MECHANICAL PROPERTIES			
	Nominal Size (Mm)	Pitch Size (mm)	Steel Area (mm <sup>2</sup> /m)	Nominal Size (Mm)	Pitch Size (mm)	Steel Area (mm <sup>2</sup> /m)		Yield Strength, Re (MPa)	Tensile/Yield Strength, Ratio, R <sub>m</sub> /R <sub>e</sub>	Agt (%)	Weld (kN)
A142	6	200	142	6	200	135	2.17	Min 500 MPa; max 650 MPa	1.02	1.0	3.53
A193	7	200	193	7	200	184	2.96		1.02	1.0	4.81
A252	8	200	252	8	200	241	3.87		1.05	2.5	6.28
A318	9	200	318	9	200	305	4.89		1.05	2.5	7.95
A393	10	200	393	10	200	376	6.04		1.05	2.5	9.82

#### NOTE :

1. Wires comply with MS 146:2014 Grade B500A.
2. Values of Ratio, Agt and Weld strength are indicated as minimum values to the sizes respe

#### TOLERANCES

Length and width: ± 25 mm      Bar pitch: ± 10 mm



#### UGI STEEL WIRE PRODUCTS SDN. BHD.

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ISO 9001 - 0047802



Certified to MS 145 : 2014  
CIDB PPS No : 1191029SR0403