

Continuous Cast Iron











Unibar 250 Conforms with EN-GJL-250C (EN 16482)

Unibar 250 offers a good combination of strength and wear resistance compared to Unibar 200, while still possessing good machinability and an excellent surface finish.

Unibar 250's graphite structure delivers excellent grade properties including noise and vibration damping, as well as thermal conductivity.

UNIBAR 250

Material
Grade

		ROUND	FLAT	SQUARE	HEXAGON
Size Range					
25mm-700mm					
25mm SQ - 550mm SQ					
Up to 750mm x 550mm					
Supply Condition	As-cast, turned,peeled, milled and cut				
Length	Standard 3080mm (or enquire)				
Chemistry					
Element		Typical %			
Carbon		2.95-3.45			
Silicon		2.1-2.90			
Magnesium		0.55-0.75			
Sulphur		0.04-0.07			
Phosphorous		0.1-0.2			
Others/Alloying		Residual			
Iron		Balance			

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or email sales@highpeaksteels.com



Mechanical properties

UNIBAR 250

**Material
Grade**

Mechanical Properties			Hardness (HB)
Material Section mm	Tesnile Strength N/mm Minimum	Hardness (HD)	Matrix
20 < D ≤ 50	195	160 - 230	Pearlitic - Ferritic
50 < D ≤ 100	180		
100 < D ≤ 200	165		
200 < D ≤ 400	155		
Brinell Hardness (HB)			
Test 10mm dia Ball 3000Kg load depending on section size, Hardness readings are taken across the entire section of the bar. Hardness values for rectangles depend on the ratio of height to width and can be supplied upon request.			
Microstructure			
Contains type 'A' graphite flakes in accordance with ISO 945. The rim contains fine Type 'D' and 'E' interdendritic graphite. The matrix is greater than 50% pearlitic. The rim is predominantly ferritic, and many contain up to 5% dispersed fine carbides.			
Heat Treat Response			
Unibar 250 is not recommended for hardening or heat treatment applications.			

Call sales on **01457 866911**
or Fax 01457 869178



High Peak Steels Ltd has the stock, knowledge and experience to care for our customers. With an extensive stock range we have access to over 10,000 tonnes of bright and black engineering steel from stock. We can process and deliver to customers swiftly. Our ability to turn a customer order into a delivery is second to none, with delivery performance of over 95% on time and in full.