



**ERASTEEL**

**CERTIFICATE OF CONFORMITY**

**KEY STEEL**

Dear Sirs,

We confirm that Stubs Key Steel lies within the limits laid down by AISI 1018 for Imperial (nearest BS equivalent BS970 Part 1. 080A17) and AISI 1045 for Metric (nearest BS equivalent BS970 Part 1 080M46).

**CHEMICAL ANALYSIS**

	<b><u>IMPERIAL</u></b>		<b><u>METRIC</u></b>	
	<b><u>AISI 1018</u></b>	<b><u>BS EQUIV. 080A17</u></b>	<b><u>AISI 1045</u></b>	<b><u>BS EQUIV. 080M46</u></b>
Carbon	0.15 - 0.20	0.15 - 0.20	0.43 - 0.50	0.42 - 0.50
Manganese	0.60 - 0.90	0.70 - 0.90	0.60 - 0.90	0.60 - 1.00
Phosphorus	0.40 max		0.40 max	
Sulphur	0.50 max		0.50 max	

**MECHANICAL PROPERTIES**

Tensile Strength	75/85000 lbs/sq.in.
Yield	67/70000 lbs/sq.in
% Elong	LN 2 - 18 - 25%
% Red of Area in 2"	-50 - 55%
Brinell Hardness Range	-150 - 155

Yours faithfully

For and on behalf of  
PETER STUBS LIMITED

CAUSEWAY AVENUE, WARRINGTON, WA4 6QB, ENGLAND  
 Telephone +44 (0) 1925 853939  
 Fax +44 (0) 1925 413870  
 Email [sales@peterstubs.com](mailto:sales@peterstubs.com)  
 Web Site [www.peterstubs.com](http://www.peterstubs.com)  
 Registered No. 3966107



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BS EN ISO 9002