


## Carbon Key Steel – Flat

Finish: Bright Drawn

USAKEY – Carbon Key Steel – Colour: Red/Yellow   
Bright: BS 46: Part 1: 1958, BS 4235: Part 1: 1972



### Characteristics:

USAKEY is supplied in the form of Bright Drawn Steel Bars to dimensions and tolerances stipulated in BS 46: Part 1: 1958 'Keys and Keyways' for imperial sizes and BS 4235: Part 1: 1972 'Parallel and Taper Keys' for metric sizes. All imperial bars are supplied to the chemical analysis 0.45% Carbon maximum, 0.60/1.00% Manganese, whilst metric bars are supplied to 0.42/0.50% Carbon, 0.50/0.80% Manganese.

**Form of Supply:** Bright bars: As drawn with a tensile strength 540-700 N/mm<sup>2</sup>

Tolerances:	Width (-.000")	Thickness (-.000")
<b>Imperial Flats</b> - Up to and incl. 3/4 x 1/2"	+ .002"	+ .003"
1 x 3/4" and 1.1/4 x 7/8"	+ .003"	+ .004"
1.1/2 x 1"	+ .004"	+ .006"
<b>Metric Flats</b> -	<b>Width (+.000")</b>	<b>Thickness (+.000")</b>
8mm x 7mm Up to and incl. 10mm x 8mm	-.036mm	-.090mm
Over 10mm x 8mm Up to and incl. 16mm x 10mm	-.043mm	-.090mm
18mm x 11mm	-.043mm	-.110mm
Over 18mm x 11mm Up to and incl. 28mm x 16mm	-.052mm	-.110mm
32mm x 18mm	-.062mm	-.110mm
Over 32mm x 18mm Up to and incl. 50mm x 28mm	-.062mm	-.130mm

### Stocked sizes - Flats - Inches

		Thickness					
		1/4	7/16	1/2	3/4	7/8	1
Width	3/8	x					
	5/8		x				
	3/4			x			
	1				x		
	1.1/4					x	
	1.1/2						x

**Stocked sizes – Flats- mm.**

		Thickness												
		7	8	9	10	11	12	14	16	18	20	22	25	28
Width	8	x												
	10		x											
	12		x											
	14			x										
	16				x									
	18					x								
	20						x							
	22							x						
	25								x					
	28									x				
	32										x			
	36											x		
	40												x	
	45													x
	50													

**Length**

Standard bar lengths are 3/3.5 metres.

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