

# WEDNESBURY STREAMLINE



## RED LABEL EN 1057

formerly BS2871 Part 1 Table Z

### INTRODUCTION

The British Standard EN 1057 : (brand name Red Label), specifies the requirements for copper tube in straight lengths to hard temper. The tube is manufactured from phosphorus deoxidised (non arsenical) copper alloy CW024A. Due to the tube's hard temper it is intended to be used when straight runs are required and fittings used for change of direction. Tube, complying to this table, is suitable for hot or cold water services, gas services, sanitation and central heating. Red Label tube, when buried, should be plastic coated.



### Nominal dimensions and max working pressure

Nominal outside diameter Ø mm	Wall thickness mm	Max working pressure bar
15	0,5	50
22	0,6	41

### Tolerance on outside diameter

Nominal outside diameter Ø mm		Tolerance on nominal diameter (mm)	
over	up to and including	Applicable to mean diameter	Applicable to any diameter <sup>2)</sup>
		all tempers	R250 (half hard) temper
6 <sup>2)</sup>	18	±0,04	±0,09
18	28	±0,05	±0,10

<sup>1)</sup> Including 6mm  
<sup>2)</sup> Including deviation from circular form

### Tolerance on wall thickness

Nominal outside diameter Ø mm	Tolerances wall thickness e <sup>1)</sup>	
	e < 1 mm %	e ≥ 1 mm %
<18	±10	±13
≥18	±10	±15

<sup>1)</sup> Including deviation from concentricity  
<sup>2)</sup> ±10% for R250 (half hard) tubes of 35mm, 42mm and 54 mm diameter with a wall thickness of 1,2 mm

**Note**  
Concentricity (uniformity of wall thickness) is controlled by tolerance on wall thickness.

### Mechanical properties

Material temper	Common term	Nominal outside diameter Ø mm		Tensile Strength Rm MPA	Elongation A %	Hardness (indicative) HV5 VPN
		min.	max.			
EN 1173				min	min	
R290	hard	15	22	290	3	(min. 100)

Note 1: Hardness figures in parentheses are not requirements of this standard but are given for guidance purposes only.  
Note 2: MPa is equivalent to 1N/mm<sup>2</sup>

