### **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 thick- ness mm	Max working pressure bar				
15	0,5	50				
22	0,6	41				

#### **Tolerance** on outside diameter

Nom outside o Ø r	diameter	Tolerance diameter Applicable to mean						
over	up to and including	diameter all tempers	diameter <sup>2</sup> )  R250 (half hard) temper					
62)	18	±0,04	±0,09					
18	28	±0,05	±0,10					

#### **Tolerance** on wall thickness

Nominal outside diameter Ø mm	Tolera wall thick e< 1 mm %			
<18	±10	±13		
≥18	±10	±15		

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

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

#### **Mechanical properties**

Material temper  Common term		outs dian	ninal side neter J m max.	Tensile Strength Rm MPA min	Elongation A % min	Hardness (indicative) HV5 VPN		
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/mm²



Including 6mm
 Including deviation from circular form

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#### **MARKING**

Tube from 15mm to 22mm inclusive is permanently die stamped 'STREAMLINE GB EN 1057 Red Label Wednesbury and date of manufacture' at intervals of not more than 600mm.

	Size of Tube mm	No of Tubes per Hand Bundle	Bundles Tubes per Master Bundle	Bundles per tonne 5.8 m lengths	Kg per Metre		
	15	10	600	85	0,203		
	22	10	300	48	0,359		
Based on theoretical weights							

#### **JOINTING**

This tube is suitable for connecting by means of capillary or compression fittings to BS EN 1254, silver brazing, bronze or autogenous welding.

#### **BENDING**

Red Label tube cannot be bent, due to the hard temper of the

### Lengths & packaging

SPECIAL FINISHES	15	22					
Protec White	•	•					

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