

## YORKSHIRE MEDICAL

COPPER TUBE FOR MEDICAL GAS, OXYGEN OR VACUUM LINES



## YORKSHIRE MEDICAL GAS TUBES

12-54MM TO BS EN 13348, OTHER SIZES TO BS EN 1057,  
CLEANED TO THE REQUIREMENTS OF BS EN 13348 \*\*

TUBES ALSO MEET THE REQUIREMENTS OF HTM 2022.



01

02



BS EN 13348  
BS EN 1057



Yorkshire Medical Gas Tubes are specially cleaned and packed to ensure they are suitable for medical gases and/or vacuum lines. In oxygen lines, spontaneous combustion can take place with any greases or hydrocarbons in the tube, and the cleaning process eliminates this risk. Additionally, the cleaning takes away malodours from any residual lubricants that may taint breathable gases.

### STANDARD FEATURES

- Cu-DHP grade copper
- BSi Kitemark licensed
- 25 year guarantee against product failure directly attributable to a manufacturing defect
- Sizes up to and including 54mm are manufactured in accordance with BS EN 13348
- Sizes above 54mm are manufactured to the physical and dimensional requirements of BS EN 1057, cleaned to the requirements of BS EN 13348 \*\*
- Available in 5.8m or 6m lengths in diameters 12-108mm
- Half hard tubes, as denoted by HH in the tables opposite, are suitable for cold bending and forming

### TYPICAL APPLICATIONS

- Medical gas lines
- Oxygen lines
- Vacuum lines

### DESIGN, INSTALLATION AND USE

All products should be designed, installed and used in accordance with appropriate specifications or codes of practice (e.g. HTM 2022) and / or Yorkshire Copper Tube technical recommendations.

Note \*\* BS EN 13348 only defines requirements for copper tubes in the range 12-54mm

## Yorkex Medical

Size OD x Wall	Standard Available Lengths		Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per sleeved bundle	Tubes per master bundle
(mm)	5.8m	6m	(Kg/m)	(bar) #	(l/m)		
<b>BS EN 13348</b>							
12 x 0.6	HH	HH	0.191	63	0.092	10	100
15 x 0.7	HH	HH	0.280	58	0.145	10	100
22 x 0.9	HH	HH	0.531	51	0.321	5	50
28 x 0.9	HH	HH	0.682	40	0.539	5	50
35 x 1.2	H	HH	1.134	42 •	0.835	3	30
42 x 1.2	H	HH	1.369	35 •	1.232	2	20
54 x 1.2	H	HH	1.772	27 •	2.091	1	10
<b>BS EN 1057 Cleaned to BS EN 13348 requirements</b>							
66.7 x 1.2	H	H	2.198	26	3.248	1	10
76.1 x 1.5	H	H	3.129	29	4.197	1	10
108 x 1.5	H	H	4.467	20	8.660	1	10

- When using 5.8m hard tubes, the maximum safe working pressure value can be increased to 51, 42, and 33 bar for 35, 42 and 54mm tube respectively

## Kuterlon Medical

Size OD x Wall	Standard Available Lengths		Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per sleeved bundle	Tubes per master bundle
(mm)	5.8m*	6m	(Kg/m)	(bar) #	(l/m)		
<b>BS EN 13348</b>							
12 x 0.8	HH	HH	0.251	87	0.085	10	100
15 x 1.0	HH	HH	0.391	87	0.133	10	100
22 x 1.2	HH	HH	0.698	69	0.302	5	50
28 x 1.2	HH	HH	0.899	55	0.515	5	50
35 x 1.5	H	H	1.405	65	0.804	3	30
42 x 1.5	H	H	1.699	54	1.195	2	20
54 x 2.0	H	H	2.908	56	1.964	1	10
<b>BS EN 1057 Cleaned to BS EN 13348 requirements</b>							
66.7 x 2.0	H	H	3.619	45	3.088	1	10
76.1 x 2.0	H	H	4.144	39	4.083	1	10
108 x 2.5	H	H	7.375	34	8.333	1	10

# Based on tube in the supplied hardness

HH Supplied in **Half Hard** (R250) condition

H Supplied in **Hard** (R290) condition

\* Kuterlon Medical available in 5.8m lengths only by special order

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