



YORKSHIRE

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THE EVOLUTION OF COPPER

Yorkshire Copper Tube to BS EN 1057 - R250/R290



BS EN 1057



FM 00450

Yorkshire Yorkex is the general purpose copper tube for above ground services. Its ease of manipulation in half-hard condition and relatively light weight, combined with its ability to withstand high internal pressure, makes Yorkex the ideal product for most hot and cold water, central heating and gas services installations.

STANDARD FEATURES

- Cu-DHP grade copper
- BSi Kitemark licensed
- 6-54mm available in R250 (half-hard) condition, suitable for cold bending and forming
- 35-159mm available in R290 (hard) condition
- Available in 3m or 6m lengths
- Available in 5.8m lengths for container loads to export markets

TYPICAL APPLICATIONS

- Drinking water
- Central heating
- Sanitation
- Hot and cold water
- Gas
- Various engineering

DESIGN, INSTALLATION AND USE

All products should be designed, installed and used in accordance with appropriate specifications or codes of practice (e.g. BS 6700) and/or Yorkshire Copper Tube Ltd technical recommendations.

SPECIAL FINISHES

- Kuterlex*
- Kuterlex Plus*
- Yorkshire Medical (degreased)
- Chrome plated

* See relevant brochure.

GUARANTEE

- 25 year guarantee against product failure directly attributable to a manufacturing defect
- This guarantee is extended to 30 years where pipeline systems are constructed exclusively from Yorkshire copper tube and XPress Copper, XPress Gas, Tectite and Tectite Pro fittings from Pegler Yorkshire Ltd.

Yorkshire Yorkex - Half Hard Range

BS EN 1057-R250

Size OD x Wall	Standard Available Lengths*			Nominal TubeWeight (Kg/m)	Maximum Working Pressure up to 65°C (bar) #	Bore Capacity (l/m)	Tubes per innerbundle	Tubes per master bundle
	3m	5.8m	6m					
6 x 0.6			■	0.091	133	0.018	25	250
8 x 0.6	■		■	0.124	97	0.036	25	250
10 x 0.6	■	■	■	0.158	77	0.061	25	250
12 x 0.6	■	■	■	0.191	63	0.092	25	250
15 x 0.7	■	■	■	0.280	58	0.145	10	300
22 x 0.9	■	■	■	0.531	51	0.321	10	150
28 x 0.9	■	■	■	0.682	40	0.539	10	100
35 x 1.2	■		■	1.134	42	0.835	5	50
42 x 1.2	■		■	1.369	35	1.232	5	50
54 x 1.2	■		■	1.772	27	2.091	3	30

Yorkshire Yorkex - Hard Range

BS EN 1057-R290

Size OD x Wall	Standard Available Lengths			Nominal TubeWeight (Kg/m)	Maximum Working Pressure up to 65°C (bar) #	Bore Capacity (l/m)	Tubes per innerbundle	Tubes per master bundle
	3m	5.8m	6m					
35 x 1.0	■	■	■	0.951	42	0.855	5	50
35 x 1.2		■		1.134	51	0.835		
42 x 1.0	■	■	■	1.147	35	1.257	5	50
42 x 1.2		■		1.369	42	1.232		
54 x 1.0	■	■	■	1.482	27	2.124	3	30
54 x 1.2		■		1.772	33	2.091		
66.7 x 1.2	■	■	■	2.198	26	3.248	1	20
76.1 x 1.5	■	■	■	3.129	29	4.197	1	15
108 x 1.5		■	■	4.467	20	8.660	1	10
133 x 1.5		■	■	5.516	17	13.275	1	-
159 x 2.0		■	■	8.781	18	18.872	1	-

Yorkshire - Chrome Plated

BS EN 1057 / BS EN 12540 15-54mm Half-Hard (R250)

Size OD x Wall	Standard Available Lengths		Nominal Tube Weight (Kg/m)	Maximum Working Pressure up to 65°C (bar) #	Bore Capacity (l/m)
	2m	3m			
15 x 0.7	■	■	0.280	58	0.145
22 x 0.9	■	■	0.531	51	0.321
28 x 0.9		■	0.682	40	0.539
35 x 1.2		■	1.134	42	0.835
42 x 1.2		■	1.369	35	1.232
54 x 1.2		■	1.772	27	2.091

Based on tube in the supplied hardness

* 15mm, 22mm and 28mm OD also available in 2m lengths

Yorkshire Copper Tube to BS EN 1057 - R220/R250/R290



BS EN 1057



FM 00450

Yorkshire Kuterlon, with a wall thickness significantly greater than that of Standard Yorkex Tube, Kuterlon offers the option of a higher pressure rating. Kuterlon is supplied in both straight length and coil form and, when supplied with a Kuterlex coating, it is the ideal product for underground applications. The extra wall thickness also allows Kuterlon to be used on certain pressurised steam installations with a maximum working temperature of 205°C.

STANDARD FEATURES

- Cu-DHP grade copper
- BSi Kitemark licensed
- 25 year guarantee against product failure directly attributable to a manufacturing defect
- 15-22mm available in R220 (annealed) condition, suitable for hand manipulation and forming
- 6-28mm straights available in R250 (half-hard) condition, suitable for cold bending and forming
- 35-108mm available in R290 (hard) condition
- Coils available in 20m lengths, straights in 6m lengths
- Straights available in 5.8m lengths for container loads to export markets

SPECIAL FINISHES

- Kuterlex*
- Kuterlex Plus*
- Yorkshire Medical (degreased)*

* See relevant brochure.

TYPICAL APPLICATIONS

- Drinking water
- Central heating
- Sanitation
- Gas
- Various engineering
- Underground services

DESIGN, INSTALLATION AND USE

All products should be designed, installed and used in accordance with appropriate specifications or codes of practice (e.g. BS 6700) and/or Yorkshire Copper Tube Ltd technical recommendations.

GUARANTEE

- 25 year guarantee against product failure directly attributable to a manufacturing defect
- This guarantee is extended to 30 years where pipeline systems are constructed exclusively from Yorkshire copper tube and XPress Copper, XPress Gas, Tectite and Tectite Pro fittings from Pegler Yorkshire Ltd.

Yorkshire Kuterlon - Straight Tube Range

BS EN 1057 6-28mm Half-Hard (R250), 35-108mm (R290)

Size OD x Wall	Standard Available Lengths		Nominal Tube Weight (Kg/m)	Maximum Working Pressure up to 65°C (bar) #	Bore Capacity (l/m)	Tubes per innerbundle	Tubes per master bundle
	5.8m	6m					
6 x 0.8		■	0.116	188	0.015	25	250
8 x 0.8		■	0.161	136	0.032	25	250
10 x 0.8		■	0.206	106	0.055	25	250
12 x 0.8	■	■	0.251	87	0.085	25	250
15 x 1.0	■	■	0.391	87	0.133	10	300
22 x 1.2	■	■	0.698	69	0.302	10	150
28 x 1.2	■	■	0.899	55	0.515	10	100
35 x 1.5	■	■	1.405	65	0.804	5	75
42 x 1.5	■	■	1.699	54	1.195	5	65
54 x 2.0	■	■	2.908	56	1.964	3	30
66.7 x 2.0	■	■	3.619	45	3.088	1	20
76.1 x 2.0	■	■	4.144	39	4.083	1	15
108 x 2.5	■	■	7.375	34	8.333	1	-

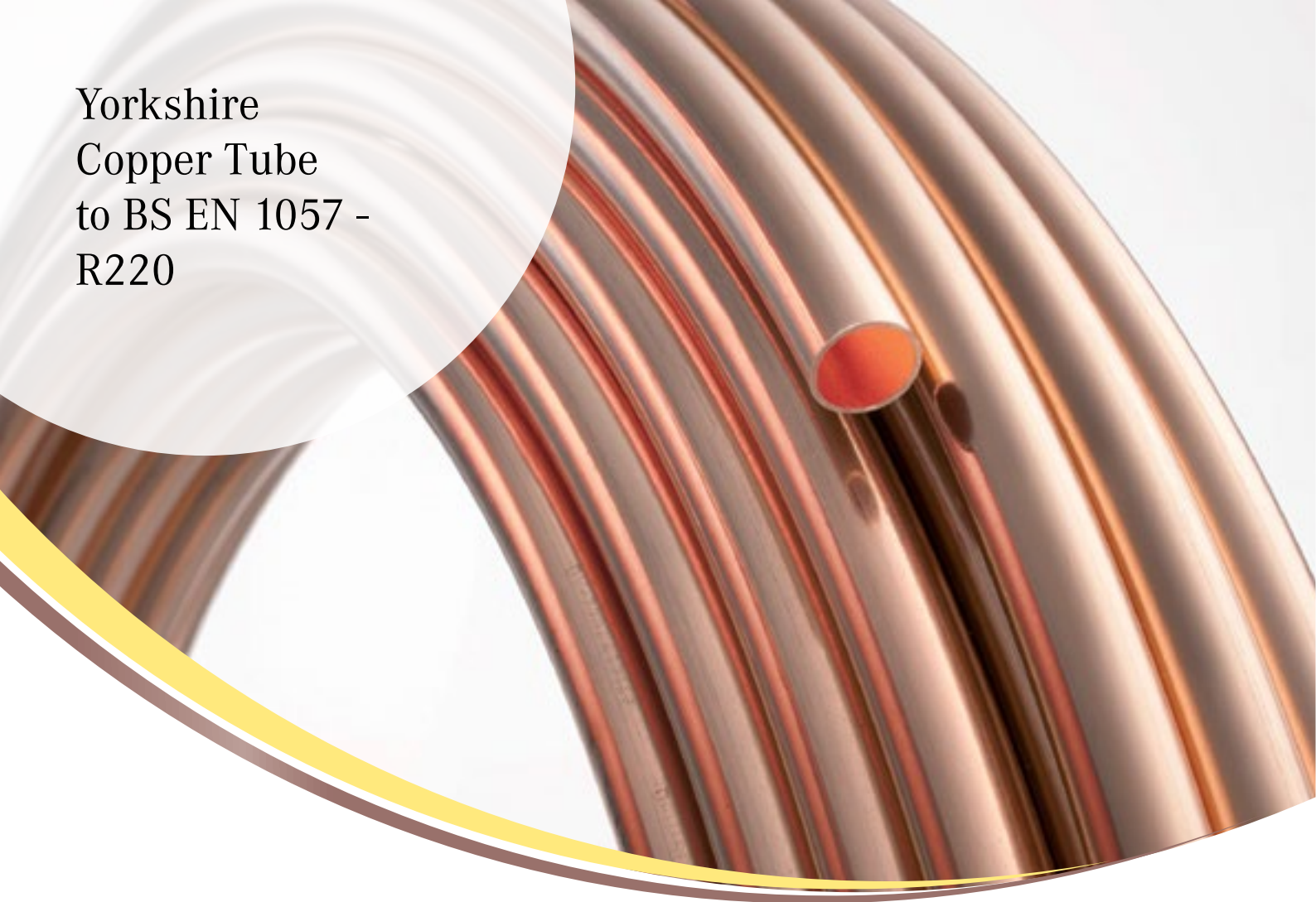
Yorkshire Kuterlon - Coil Range

BS EN 1057 Annealed (R220)

Size OD x Wall	Standard Available Lengths	Nominal Tube Weight	Maximum Working Pressure up to 65°C (bar) #	Bore Capacity (l/m)	Coils per pallet
(mm)	20m	(Kg/m)	(bar) #	(l/m)	
15 x 1.0	■	0.391	67	0.133	25
22 x 1.2	■	0.698	57	0.302	15

Based on tube in the supplied hardness

Yorkshire Copper Tube to BS EN 1057 - R220



Yorkshire Minibore - Coil Range

BS EN 1057-Annealed (R220)

Size OD x Wall (mm)	Standard Available Lengths					Nominal Tube Weight (Kg/m)	Maximum Working Pressure up to 65°C (bar) #	Bore Capacity (l/m)	Coils Per Pallet
	3m	10m	20m	25m	50m				
6 x 0.6				■		0.09	90	0.018	40
8 x 0.6	■	■				0.12	66	0.036	45
				■					40
					■				30
10 x 0.7	■	■				0.18	62	0.052	50
			■						45
				■					40
					■				25

Based on tube in the supplied hardness



BS EN 1057



FM 00450

Yorkshire Minibore is a small bore tube supplied in coil form in lengths up to 50m which can be bent easily by hand or using an appropriate machine. Its small diameter offers the possibility of forming tight bends. Minibore is unobtrusive when surface fixed.

STANDARD FEATURES

- Cu-DHP grade copper
- BSi Kitemark licensed
- 25 year guarantee against product failure directly attributable to a manufacturing defect
- Supplied in R220 (annealed) coiled condition
- Suitable for hand manipulation and forming
- Supplied in various lengths up to 50m

TYPICAL APPLICATIONS

- Central heating
- Behind dry wall liners
- Under suspended floors
- Through false ceilings
- Cabling applications
- Unobtrusive surface fitting

DESIGN, INSTALLATION AND USE

All products should be designed, installed and used in accordance with appropriate specifications or codes of practice (e.g. BS 6700) and/or Yorkshire Copper Tube Ltd technical recommendations.

SPECIAL FINISHES

- Kuterlex*
- Kuterlex Plus*

* See relevant brochure.

GUARANTEE

- 25 year guarantee against product failure directly attributable to a manufacturing defect

Yorkshire
Medical Gas Tubes
12-5A to BS EN 13348,
Other sizes to BS EN 1057
cleaned to BS EN
13348 requirements

TUBES ALSO MEET
THE REQUIREMENTS
OF HTM 02-01



BS EN 13348
BS EN 1057
FM 00450

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 02-01) and / or Yorkshire Copper Tube technical recommendations.

Note ** At the time of printing this brochure, BS EN 13348 only defines requirements for copper tube in the range 12-54mm. Over the life-time of this brochure it is expected that BS EN 13348 will be revised to include larger sizes. When possible, Yorkshire will increase its BS EN 13348 Kitemark approved range to include these larger sizes.

Yorkex Medical

Size OD x Wall	Standard Available Lengths		Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per innerbundle	Tubes per master bundle
	(mm)	5.8m					

BS EN 13348

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

BS EN 1057 Cleaned to BS EN 13348 requirements

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 innerbundle	Tubes per master bundle
	(mm)	5.8m*					

BS EN 13348

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

BS EN 1057 Cleaned to BS EN 13348 requirements

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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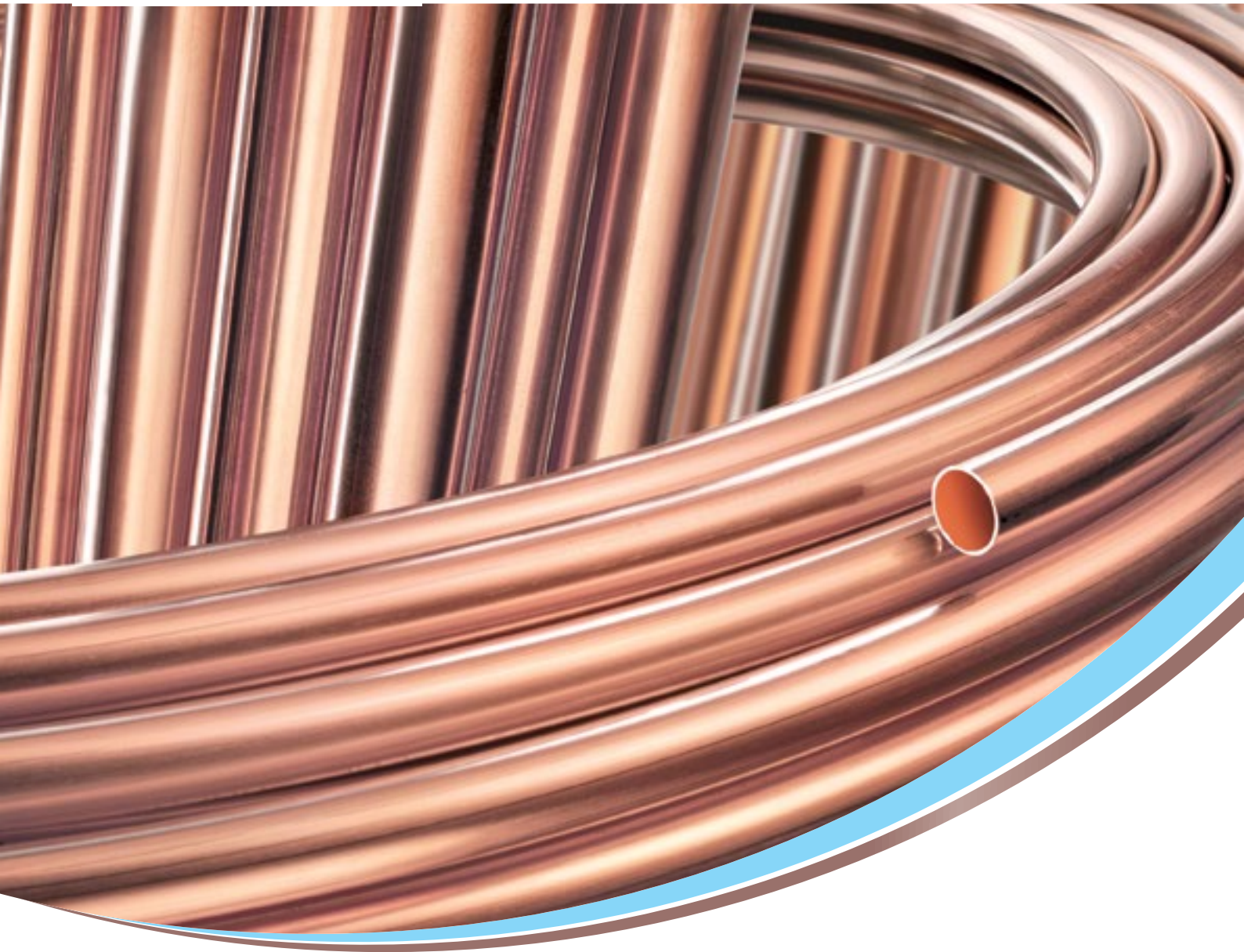
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