YORKSHIRE
COPPER TUBE
Ask for it by name

Y.TUBE
FITTINGS

Where **strength** meets **reliability**

Who we are and What we do...

WORLDWIDE SUPPLY CHAIN EXPERIENCE

30+ Years

MARKET DEVELOPMENT EXPERIENCE

30+ Years

PRODUCT WARRANTY FOR Y.TUBE FITTINGS & COPPER TUBE

25 Years

Y.TUBE is not merely a new venture, it is the combination of enduring expertise and steadfast commitment. Through 27 years of supply chain mastery throughout UK and Europe behind the scenes, and 30 years of market experience, Y.TUBE stands as a beacon of reliability. A legacy that is forged in tubes & fittings.

Established through a valued partnership with Yorkshire Copper Tube, the UK's foremost producer of copper tubing with roots stretching back through decades of innovation, Y.TUBE embodies a heritage both industrial and impeccably crafted. With a global distribution network and a modern, high-output factory built on precision and speed, they ensure your project receives not just a product, but a commitment to excellence.

Our Tubes & Fittings catalogue is extensive. Engineered to serve diverse industries with a reliability that transcends simple function. Each fitting is manufactured in accordance with EN 1254, WRAS, AENOR & AFNOR standards, ensuring complete compliance with international regulations. Built with long-term durability in mind, Y.TUBE fittings are not only trusted but proven, safeguarding the integrity of your systems for years to come.

This commitment is strengthened by a firm assurance - Yorkshire Copper Tube stands alongside Y.TUBE Fittings, upholding a shared legacy of quality and a steadfast dedication to our customers.

Our Support

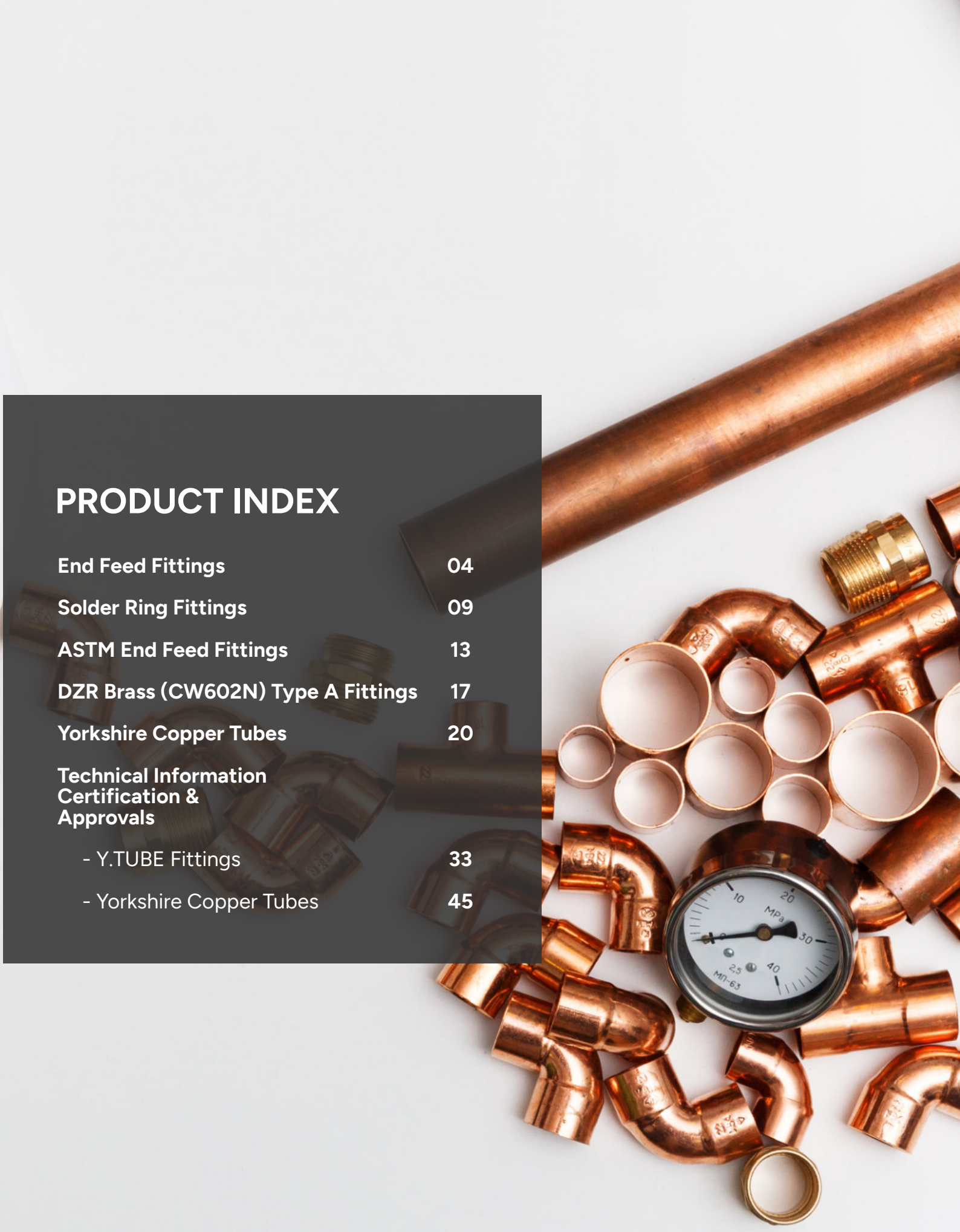
Behind every Y.TUBE copper fitting stands a foundation of strength, precision, and reliability.

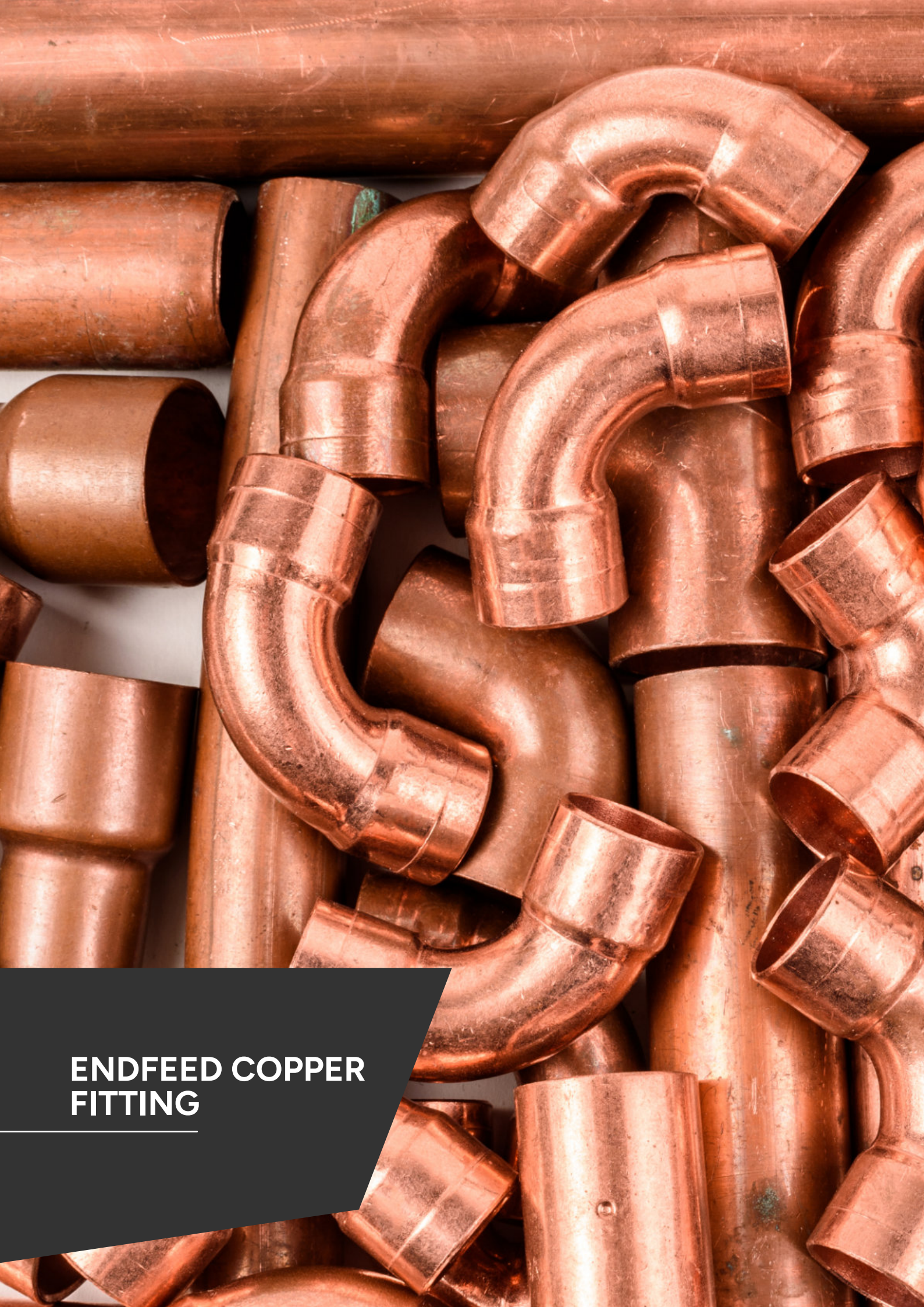
From raw copper to finished fittings, every stage is guided by international standards, ensuring compliance, durability, and the reliability our clients depend on.

Our extensive stockholding means we are ready to respond swiftly, delivering on time and in full, wherever you are in the world.

This is the assurance behind Y.TUBE. Beyond supply, it is enduring support, meaning that when you choose Y.TUBE, you choose trust.

PRODUCT INDEX





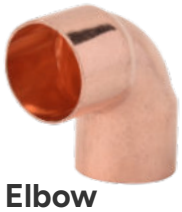
ENDFEED COPPER FITTING

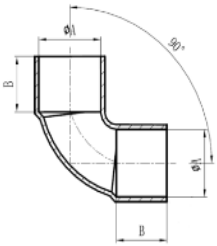
ENDFEED COPPER FITTING

EN-1254

All our products have a pressure rating of PN 16

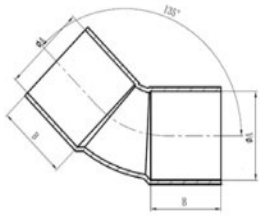
90° Elbow





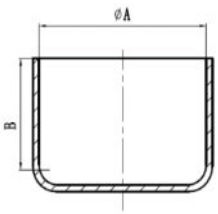
Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-EF-EL90D-12	12 mm	12.06	12.15	8.6	-
YT-EF-EL90D-15	15 mm	15.06	15.15	10.6	-
YT-EF-EL90D-22	22 mm	22.07	22.18	15.4	-
YT-EF-EL90D-28	28 mm	28.07	28.18	18.4	-
YT-EF-EL90D-35	35 mm	35.09	35.23	23	-
YT-EF-EL90D-42	42 mm	42.09	42.23	27	-
YT-EF-EL90D-54	54 mm	54.09	54.23	32	-
YT-EF-EL90D-67	67 mm	66.8	67.03	33.5	-
YT-EF-EL90D-76	76 mm	76.2	76.43	33.5	-
YT-EF-EL90D-108	108 mm	108.1	108.33	47.5	-
YT-EF-EL90D-133	133 mm	133.23	133.7	47.5	-
YT-EF-EL90D-159	159 mm	159.23	159.7	47.5	-

45° Elbow



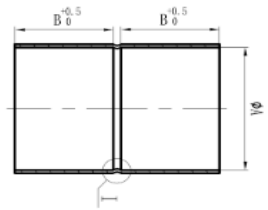
Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-EF-EL45D-12	12 mm	12.06	12.15	8.6	-
YT-EF-EL45D-15	15 mm	15.06	15.15	10.6	-
YT-EF-EL45D-22	22 mm	22.07	22.18	15.4	-
YT-EF-EL45D-28	28 mm	28.07	28.18	18.4	-
YT-EF-EL45D-35	35 mm	35.09	35.23	23	-
YT-EF-EL45D-42	42 mm	42.09	42.23	27	-
YT-EF-EL45D-54	54 mm	54.09	54.23	32	-
YT-EF-EL45D-67	67 mm	66.8	67.03	33.5	-
YT-EF-EL45D-76	76 mm	76.2	76.43	33.5	-
YT-EF-EL45D-108	108 mm	108.1	108.33	47.5	-
YT-EF-EL45D-133	133 mm	133.23	133.7	47.5	-
YT-EF-EL45D-159	159 mm	159.23	159.7	47.5	-

End Cap



Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-EF-EC-12	12 mm	12.06	12.15	8.6	-
YT-EF-EC-15	15 mm	15.06	15.15	10.6	-
YT-EF-EC-22	22 mm	22.07	22.18	15.4	-
YT-EF-EC-28	28 mm	28.07	28.18	18.4	-
YT-EF-EC-35	35 mm	35.09	35.23	23	-
YT-EF-EC-42	42 mm	42.09	42.23	27	-
YT-EF-EC-54	54 mm	54.09	54.23	32	-
YT-EF-EC-67	67 mm	66.8	67.03	33.5	-
YT-EF-EC-76	76 mm	76.2	76.43	33.5	-
YT-EF-EC-108	108 mm	108.1	108.33	47.5	-
YT-EF-EC-133	133 mm	133.23	133.7	47.5	-
YT-EF-EC-159	159 mm	159.23	159.7	47.5	-

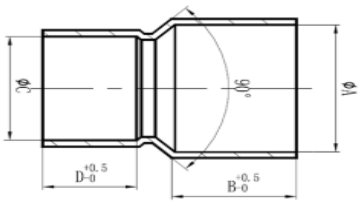
Straight Coupling



Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-EF-SC-12	12 mm	12.06	12.15	8.6	-
YT-EF-SC-15	15 mm	15.06	15.15	10.6	-
YT-EF-SC-22	22 mm	22.07	22.18	15.4	-
YT-EF-SC-28	28 mm	28.07	28.18	18.4	-
YT-EF-SC-35	35 mm	35.09	35.23	23	-
YT-EF-SC-42	42 mm	42.09	42.23	27	-
YT-EF-SC-54	54 mm	54.09	54.23	32	-
YT-EF-SC-67	67 mm	66.8	67.03	33.5	-
YT-EF-SC-76	76 mm	76.2	76.43	33.5	-
YT-EF-SC-108	108 mm	108.1	108.33	47.5	-
YT-EF-SC-133	133 mm	133.23	133.7	47.5	-
YT-EF-SC-159	159 mm	159.23	159.7	47.5	-

ENDFEED COPPER FITTING

All our products have a pressure rating of PN 16



Reducer Coupling

Article No.	Size (mm)	A		B	C		D
		Min	Max	Min	Min	Max	Min
YT-EF-RC-1512	15 x 12 mm	15.06	15.15	10.6	12.06	12.15	8.6
YT-EF-RC-2215	22 x 15 mm	22.07	22.18	15.4	15.06	15.15	10.6
YT-EF-RC-2815	28 x 15 mm	28.07	28.18	18.4	15.06	15.15	10.6
YT-EF-RC-2822	28 x 22 mm	28.07	28.18	18.4	22.07	22.18	15.4
YT-EF-RC-3515	35 x 15 mm	35.09	35.23	23	15.06	15.15	10.6
YT-EF-RC-3522	35 x 22 mm	35.09	35.23	23	22.07	22.18	15.4
YT-EF-RC-3528	35 x 28 mm	35.09	35.23	23	28.07	28.18	18.4
YT-EF-RC-4215	42 x 15 mm	42.09	42.23	27	15.06	15.15	10.6
YT-EF-RC-4222	42 x 22 mm	42.09	42.23	27	22.07	22.18	15.4
YT-EF-RC-4228	42 x 28 mm	42.09	42.23	27	28.07	28.18	18.4
YT-EF-RC-4235	42 x 35 mm	42.09	42.23	27	35.09	35.23	23
YT-EF-RC-5422	54 x 22 mm	54.09	54.23	32	22.07	22.18	15.4
YT-EF-RC-5428	54 x 28 mm	54.09	54.23	32	28.07	28.18	18.4
YT-EF-RC-5435	54 x 35 mm	54.09	54.23	32	35.09	35.23	23
YT-EF-RC-5442	54 x 42 mm	54.09	54.23	32	42.09	42.23	27
YT-EF-RC-6728	67 x 28 mm	67.1	67.33	33.5	28.07	28.18	18.4
YT-EF-RC-6735	67 x 35 mm	67.1	67.33	33.5	35.09	35.23	23
YT-EF-RC-6742	67 x 42 mm	67.1	67.33	33.5	42.09	42.23	27
YT-EF-RC-6754	67 x 54 mm	67.1	67.33	33.5	54.09	54.23	32
YT-EF-RC-7642	76 x 42 mm	76.2	76.43	33.5	42.09	42.23	27
YT-EF-RC-7667	76 x 67 mm	76.2	76.43	33.5	67.1	67.33	33.5
YT-EF-RC-10842	108 x 42 mm	108.1	108.33	47.5	42.09	42.23	27
YT-EF-RC-10876	108 x 76 mm	108.1	108.33	47.5	76.2	76.43	33.5

ENDFEED COPPER FITTING

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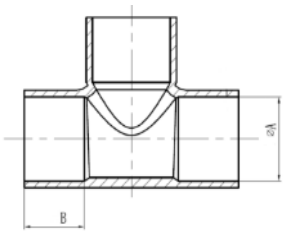

Equal Tee

Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-EF-EQT-12	12 mm	12.06	12.15	8.6	-
YT-EF-EQT-15	15 mm	15.06	15.15	10.6	-
YT-EF-EQT-22	22 mm	22.07	22.18	15.4	-
YT-EF-EQT-28	28 mm	28.07	28.18	18.4	-
YT-EF-EQT-35	35 mm	35.09	35.23	23	-
YT-EF-EQT-42	42 mm	42.09	42.23	27	-
YT-EF-EQT-54	54 mm	54.09	54.23	32	-
YT-EF-EQT-67	67 mm	67.1	67.33	33.5	-
YT-EF-EQT-76	76 mm	76.2	76.43	33.5	-
YT-EF-EQT-108	108 mm	108.1	108.33	47.5	-
YT-EF-EQT-133	133 mm	133.23	133.7	47.5	-
YT-EF-EQT-159	159 mm	159.23	159.7	47.5	-

ENDFEED COPPER FITTING

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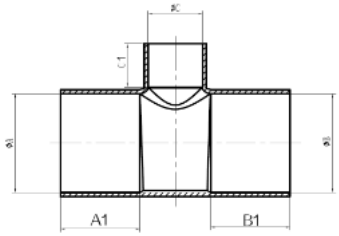


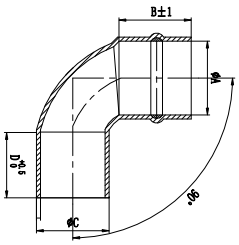
Reducing Tee

Article No.	Size (mm)	A		A1	B		B1	C		C1
		Min	Max	Min	Min	Max	Min	Min	Max	Min
YT-EF-RDT-221515	22 x 15 x 15mm	15.06	15.15	10.6	15.06	15.15	10.6	22.07	22.18	15.4
YT-EF-RDT-222215	22 x 22 x 15mm	22.07	22.18	15.4	22.07	22.18	15.4	15.06	15.15	10.6
YT-EF-RDT-282815	28 x 28 x 15mm	28.07	28.18	18.4	28.07	28.18	18.4	15.06	15.15	10.6
YT-EF-RDT-282822	28 x 28 x 22mm	28.07	28.18	18.4	28.07	28.18	18.4	22.07	22.18	15.4
YT-EF-RDT-353515	35 x 35 x 15mm	35.09	35.23	23	35.09	35.23	23	15.06	15.15	10.6
YT-EF-RDT-353522	35 x 35 x 22mm	35.09	35.23	23	35.09	35.23	23	22.07	22.18	15.4
YT-EF-RDT-353528	35 x 35 x 28mm	35.09	35.23	23	35.09	35.23	23	28.07	28.18	18.4
YT-EF-RDT-424215	42 x 42 x 15mm	42.09	42.23	27	42.09	42.23	27	15.06	15.15	10.6
YT-EF-RDT-424222	42 x 42 x 22mm	42.09	42.23	27	42.09	42.23	27	22.07	22.18	15.4
YT-EF-RDT-424228	42 x 42 x 28mm	42.09	42.23	27	42.09	42.23	27	28.07	28.18	18.4
YT-EF-RDT-424235	42 x 42 x 35mm	42.09	42.23	27	42.09	42.23	27	35.09	35.23	23
YT-EF-RDT-545415	54 x 54 x 15mm	54.09	54.23	32	54.09	54.23	32	15.06	15.15	10.6
YT-EF-RDT-545422	54 x 54 x 22mm	54.09	54.23	32	54.09	54.23	32	22.07	22.18	15.4
YT-EF-RDT-545428	54 x 54 x 28mm	54.09	54.23	32	54.09	54.23	32	28.07	28.18	18.4
YT-EF-RDT-545435	54 x 54 x 35mm	54.09	54.23	32	54.09	54.23	32	35.09	35.23	23
YT-EF-RDT-545442	54 x 54 x 42mm	54.09	54.23	32	54.09	54.23	32	42.09	42.23	27
YT-EF-RDT-676728	67 x 67 x 28mm	67.1	67.33	33.5	67.1	67.33	33.5	28.07	28.18	18.4
YT-EF-RDT-676735	67 x 67 x 35mm	67.1	67.33	33.5	67.1	67.33	33.5	35.09	35.23	23
YT-EF-RDT-676742	67 x 67 x 42mm	67.1	67.33	33.5	67.1	67.33	33.5	42.09	42.23	27
YT-EF-RDT-676754	67 x 67 x 54mm	67.1	67.33	33.5	67.1	67.33	33.5	54.09	54.23	32
YT-EF-RDT-767635	76 x 76 x 35mm	76.2	76.43	33.5	76.2	76.43	33.5	35.09	35.23	23
YT-EF-RDT-767642	76 x 76 x 42mm	76.2	76.43	33.5	76.2	76.43	33.5	42.09	42.23	27
YT-EF-RDT-767654	76 x 76 x 54mm	76.2	76.43	33.5	76.2	76.43	33.5	54.09	54.23	32
YT-EF-RDT-767667	76 x 76 x 67mm	76.2	76.43	33.5	76.2	76.43	33.5	67.1	67.33	33.5
YT-EF-RDT-10810842	108 x 108 x 42mm	108.1	108.33	47.5	108.1	108.33	47.5	42.09	42.23	27
YT-EF-RDT-10810854	108 x 108 x 54mm	108.1	108.33	47.5	108.1	108.33	47.5	54.09	54.23	32
YT-EF-RDT-10810867	108 x 108 x 67mm	108.1	108.33	47.5	108.1	108.33	47.5	67.1	67.33	33.5

SOLDER RING COPPER FITTING

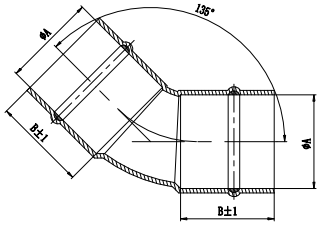
SOLDER RING COPPER FITTING

All our products have a pressure rating of PN 16



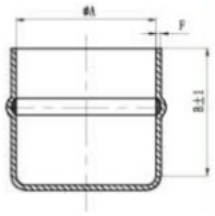
90° Elbow

Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-SR-EL90D-12	12 mm	12.06	12.15	8.6	-
YT-SR-EL90D-15	15 mm	15.06	15.15	10.6	-
YT-SR-EL90D-22	22 mm	22.07	22.18	15.4	-
YT-SR-EL90D-28	28 mm	28.07	28.18	18.4	-
YT-SR-EL90D-35	35 mm	35.09	35.23	23	-
YT-SR-EL90D-42	42 mm	42.09	42.23	27	-
YT-SR-EL90D-54	54 mm	54.09	54.23	32	-



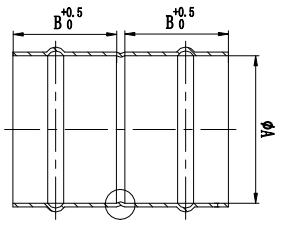
45° Elbow

Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-SR-EL45D-12	12 mm	12.06	12.15	8.6	-
YT-SR-EL45D-15	15 mm	15.06	15.15	10.6	-
YT-SR-EL45D-22	22 mm	22.07	22.18	15.4	-
YT-SR-EL45D-28	28 mm	28.07	28.18	18.4	-
YT-SR-EL45D-35	35 mm	35.09	35.23	23	-
YT-SR-EL45D-42	42 mm	42.09	42.23	27	-
YT-SR-EL45D-54	54 mm	54.09	54.23	32	-



End Cap

Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-SR-EC-12	12 mm	12.06	12.15	8.6	-
YT-SR-EC-15	15 mm	15.06	15.15	10.6	-
YT-SR-EC-22	22 mm	22.07	22.18	15.4	-
YT-SR-EC-28	28 mm	28.07	28.18	18.4	-
YT-SR-EC-35	35 mm	35.09	35.23	23	-
YT-SR-EC-42	42 mm	42.09	42.23	27	-
YT-SR-EC-54	54 mm	54.09	54.23	32	-

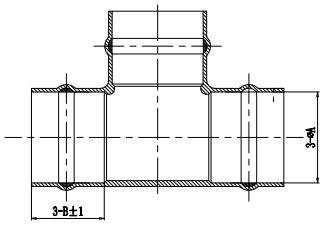


Straight Coupling

Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-SR-SC-12	12 mm	12.06	12.15	8.6	-
YT-SR-SC-15	15 mm	15.06	15.15	10.6	-
YT-SR-SC-22	22 mm	22.07	22.18	15.4	-
YT-SR-SC-28	28 mm	28.07	28.18	18.4	-
YT-SR-SC-35	35 mm	35.09	35.23	23	-
YT-SR-SC-42	42 mm	42.09	42.23	27	-
YT-SR-SC-54	54 mm	54.09	54.23	32	-

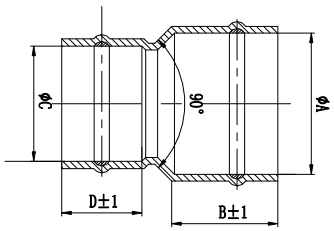
SOLDER RING COPPER FITTING

All our products have a pressure rating of PN 16



Equal Tee

Article No.	Size (mm)	A		B	
		Min	Max	Min	Max
YT-SR-EQT-12	12 mm	12.06	12.15	8.6	-
YT-SR-EQT-15	15 mm	15.06	15.15	10.6	-
YT-SR-EQT-22	22 mm	22.07	22.18	15.4	-
YT-SR-EQT-28	28 mm	28.07	28.18	18.4	-
YT-SR-EQT-35	35 mm	35.09	35.23	23	-
YT-SR-EQT-42	42 mm	42.09	42.23	27	-
YT-SR-EQT-54	54 mm	54.09	54.23	32	-

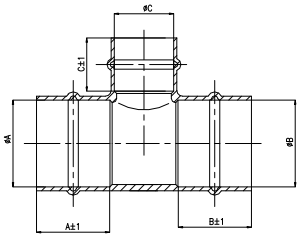


Reducer Coupling

Article No.	Size (mm)	A		B	C		D
		Min	Max	Min	Min	Max	Min
YT-SR-RC-1512	15 x 12 mm	15.06	15.15	10.6	12.06	12.15	8.6
YT-SR-RC-2215	22 x 15 mm	22.07	22.18	15.4	15.06	15.15	10.6
YT-SR-RC-2815	28 x 15 mm	28.07	28.18	18.4	15.06	15.15	10.6
YT-SR-RC-2822	28 x 22 mm	28.07	28.18	18.4	22.07	22.18	15.4
YT-SR-RC-3515	35 x 15 mm	35.09	35.23	23	15.06	15.15	10.6
YT-SR-RC-3522	35 x 22 mm	35.09	35.23	23	22.07	22.18	15.4
YT-SR-RC-3528	35 x 28 mm	35.09	35.23	23	28.07	28.18	18.4
YT-SR-RC-4215	42 x 15 mm	42.09	42.23	27	15.06	15.15	10.6
YT-SR-RC-4222	42 x 22 mm	42.09	42.23	27	22.07	22.18	15.4
YT-SR-RC-4228	42 x 28 mm	42.09	42.23	27	28.07	28.18	18.4
YT-SR-RC-4235	42 x 35 mm	42.09	42.23	27	35.09	35.23	23
YT-SR-RC-5422	54 x 22 mm	54.09	54.23	32	22.07	22.18	15.4
YT-SR-RC-5428	54 x 28 mm	54.09	54.23	32	28.07	28.18	18.4
YT-SR-RC-5435	54 x 35 mm	54.09	54.23	32	35.09	35.23	23
YT-SR-RC-5442	54 x 42 mm	54.09	54.23	32	42.09	42.23	27

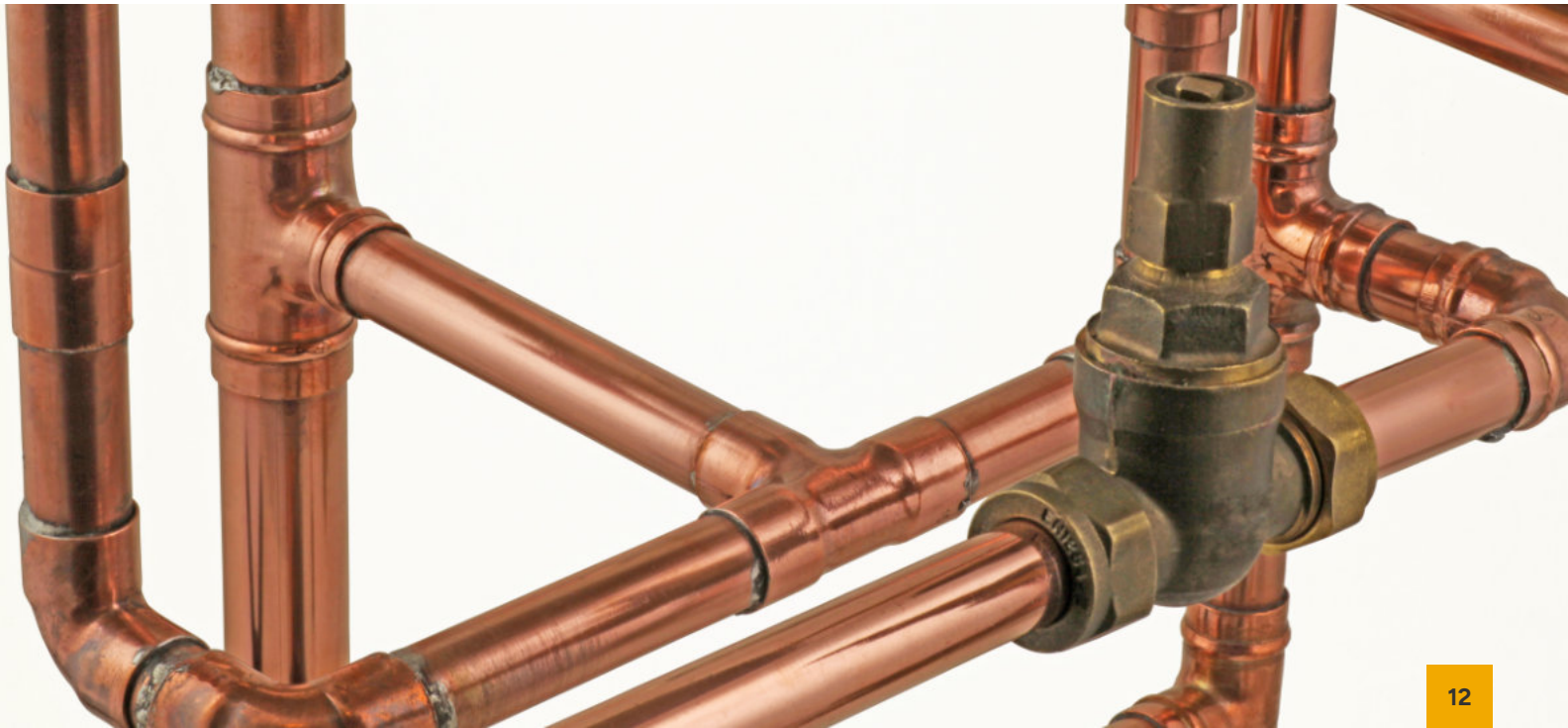
SOLDER RING COPPER FITTING

All our products have a pressure rating of PN 16



Reducing Tee

Article No.	Size (mm)	A		A1	B		B1	C		C1
		Min	Max	Min	Min	Max	Min	Min	Max	Min
YT-SR-RDT-221515	22 x 15 x 15mm	15.06	15.15	10.6	15.06	15.15	10.6	22.07	22.18	15.4
YT-SR-RDT-222215	22 x 22 x 15mm	22.07	22.18	15.4	22.07	22.18	15.4	15.06	15.15	10.6
YT-SR-RDT-282515	28 x 28 x 15mm	28.07	28.18	18.4	28.07	28.18	18.4	15.06	15.15	10.6
YT-SR-RDT-282822	28 x 28 x 22mm	28.07	28.18	18.4	28.07	28.18	18.4	22.07	22.18	15.4
YT-SR-RDT-353515	35 x 35 x 15mm	35.09	35.23	23	35.09	35.23	23	15.06	15.15	10.6
YT-SR-RDT-353522	35 x 35 x 22mm	35.09	35.23	23	35.09	35.23	23	22.07	22.18	15.4
YT-SR-RDT-353528	35 x 35 x 28mm	35.09	35.23	23	35.09	35.23	23	28.07	28.18	18.4
YT-SR-RDT-424215	42 x 42 x 15mm	42.09	42.23	27	42.09	42.23	27	15.06	15.15	10.6
YT-SR-RDT-424222	42 x 42 x 22mm	42.09	42.23	27	42.09	42.23	27	22.07	22.18	15.4
YT-SR-RDT-424228	42 x 42 x 28mm	42.09	42.23	27	42.09	42.23	27	28.07	28.18	18.4
YT-SR-RDT-424235	42 x 42 x 35mm	42.09	42.23	27	42.09	42.23	27	35.09	35.23	23
YT-SR-RDT-545415	54 x 54 x 15mm	54.09	54.23	32	54.09	54.23	32	15.06	15.15	10.6
YT-SR-RDT-545422	54 x 54 x 22mm	54.09	54.23	32	54.09	54.23	32	22.07	22.18	15.4
YT-SR-RDT-545428	54 x 54 x 28mm	54.09	54.23	32	54.09	54.23	32	28.07	28.18	18.4
YT-SR-RDT-545435	54 x 54 x 35mm	54.09	54.23	32	54.09	54.23	32	35.09	35.23	23
YT-SR-RDT-545442	54 x 54 x 42mm	54.09	54.23	32	54.09	54.23	32	42.09	42.23	27



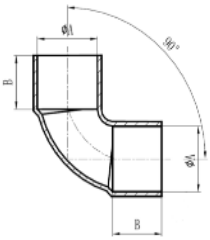
HVAC & REFRIGERATION

ASTM
COPPER FITTING

NOTE : Manufactured to ASTM standards and available in imperial sizes for global HVAC and refrigeration applications.

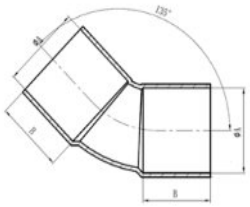
ENDFEED ASTM COPPER FITTING

Manufactured to ASTM standards



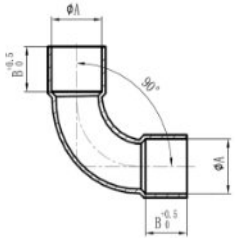
90° Elbow

Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-EL90D-S25	1/4"	6.4	6.5	6.4	-
YT-AS-EL90D-S38	3/8"	9.58	9.68	7.9	-
YT-AS-EL90D-S50	1/2"	12.75	12.85	9.7	-
YT-AS-EL90D-S58	5/8"	15.93	16.03	12.7	-
YT-AS-EL90D-S75	3/4"	19.1	19.2	15.7	-
YT-AS-EL90D-S78	7/8"	22.28	22.38	19.1	-
YT-AS-EL90D-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-EL90D-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-EL90D-S158	1 x 5/8"	41.35	41.48	27.7	-
YT-AS-EL90D-S218	2 x 1/8"	54.05	54.18	34	-
YT-AS-EL90D-S258	2 x 5/8"	66.75	66.88	37.5	-
YT-AS-EL90D-S318	3 x 1/8"	79.45	79.58	42.2	-



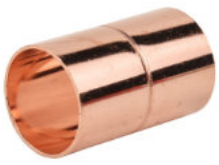
45° Elbow

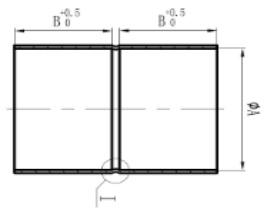
Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-EL45D-S38	3/8"	9.58	9.68	7.9	-
YT-AS-EL45D-S50	1/2"	12.75	12.85	9.7	-
YT-AS-EL45D-S58	5/8"	15.93	16.03	12.7	-
YT-AS-EL45D-S75	3/4"	19.1	19.2	15.7	-
YT-AS-EL45D-S78	7/8"	22.28	22.38	19.1	-
YT-AS-EL45D-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-EL45D-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-EL45D-S158	1 x 5/8"	41.35	41.48	27.7	-
YT-AS-EL45D-S218	2 x 1/8"	54.05	54.18	34	-
YT-AS-EL45D-S258	2 x 5/8"	66.75	66.88	37.5	-
YT-AS-EL45D-S318	3 x 1/8"	79.45	79.58	42.2	-



90° Elbow - Long Radius

Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-LR90D-S25	1/4"	6.4	6.5	6.4	-
YT-AS-LR90D-S38	3/8"	9.58	9.68	7.9	-
YT-AS-LR90D-S50	1/2"	12.75	12.85	9.7	-
YT-AS-LR90D-S58	5/8"	15.93	16.03	12.7	-
YT-AS-LR90D-S75	3/4"	19.1	19.2	15.7	-
YT-AS-LR90D-S78	7/8"	22.28	22.38	19.1	-
YT-AS-LR90D-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-LR90D-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-LR90D-S158	1 x 5/8"	41.35	41.48	27.7	-
YT-AS-LR90D-S218	2 x 1/8"	54.05	54.18	34	-
YT-AS-LR90D-S258	2 x 5/8"	66.75	66.88	37.5	-
YT-AS-LR90D-S318	3 x 1/8"	79.45	79.58	42.2	-



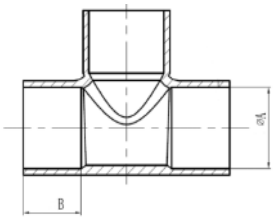


Straight Coupling

Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-SC-S25	1/4"	6.4	6.5	6.4	-
YT-AS-SC-S38	3/8"	9.58	9.68	7.9	-
YT-AS-SC-S50	1/2"	12.75	12.85	9.7	-
YT-AS-SC-S58	5/8"	15.93	16.03	12.7	-
YT-AS-SC-S75	3/4"	19.1	19.2	15.7	-
YT-AS-SC-S78	7/8"	22.28	22.38	19.1	-
YT-AS-SC-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-SC-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-SC-S158	1 x 5/8"	41.35	41.48	27.7	-
YT-AS-SC-S218	2 x 1/8"	54.05	54.18	34	-
YT-AS-SC-S258	2 x 5/8"	66.75	66.88	37.5	-
YT-AS-SC-S318	3 x 1/8"	79.45	79.58	42.2	-

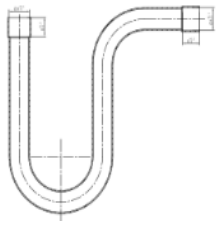
ENDFEED ASTM COPPER FITTING

Manufactured to ASTM standards



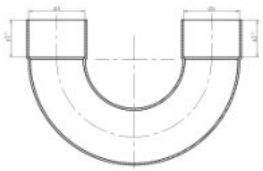
Equal Tee

Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-EQT-S25	1/4"	6.4	6.5	6.4	-
YT-AS-EQT-S38	3/8"	9.58	9.68	7.9	-
YT-AS-EQT-S50	1/2"	12.75	12.85	9.7	-
YT-AS-EQT-S58	5/8"	15.93	16.03	12.7	-
YT-AS-EQT-S75	3/4"	19.1	19.2	15.7	-
YT-AS-EQT-S78	7/8"	22.28	22.38	19.1	-
YT-AS-EQT-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-EQT-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-EQT-S158	1 x 5/8"	41.35	41.48	27.7	-
YT-AS-EQT-S218	2 x 1/8"	54.05	54.18	34	-
YT-AS-EQT-S258	2 x 5/8"	66.75	66.88	37.5	-
YT-AS-EQT-S318	3 x 1/8"	79.45	79.58	42.2	-



P Trap

Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-PT-S50	1/2"	12.75	12.85	9.7	-
YT-AS-PT-S58	5/8"	15.93	16.03	12.7	-
YT-AS-PT-S75	3/4"	19.1	19.2	15.7	-
YT-AS-PT-S78	7/8"	22.28	22.38	19.1	-
YT-AS-PT-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-PT-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-PT-S158	1 x 5/8"	41.35	41.48	27.7	-

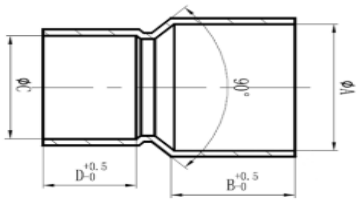


U Trap

Article No.	Size (in)	A		B	
		Min	Max	Min	Max
YT-AS-UT-S38	3/8"	9.58	9.68	7.9	-
YT-AS-UT-S50	1/2"	12.75	12.85	9.7	-
YT-AS-UT-S58	5/8"	15.93	16.03	12.7	-
YT-AS-UT-S75	3/4"	19.1	19.2	15.7	-
YT-AS-UT-S78	7/8"	22.28	22.38	19.1	-
YT-AS-UT-S118	1 x 1/8"	28.65	28.75	23.1	-
YT-AS-UT-S138	1 x 3/8"	35	35.1	24.6	-
YT-AS-UT-S158	1 x 5/8"	41.35	41.48	27.7	-
YT-AS-UT-S218	2 x 1/8"	54.05	54.18	34	-

ENDFEED ASTM COPPER FITTING

Manufactured to ASTM standards



Reducer Coupling

Article No.	Size (in)	A		B	C		D
		Min	Max	Min	Min	Max	Min
YT-AS-RC-S3825	3/8 x 1/4"	9.58	9.68	7.9	6.4	6.5	6.4
YT-AS-RC-S5038	1/2 x 3/8"	12.75	12.85	9.7	9.58	9.68	7.9
YT-AS-RC-S5838	5/8 x 3/8"	15.93	16.03	12.7	9.58	9.68	7.9
YT-AS-RC-S5850	5/8 x 1/2"	15.93	16.03	12.7	12.75	12.85	9.7
YT-AS-RC-S7550	3/4 x 1/2"	19.1	19.2	15.7	12.75	12.85	9.7
YT-AS-RC-S7558	3/4 x 5/8"	19.1	19.2	15.7	15.93	16.03	12.7
YT-AS-RC-S7850	7/8 x 1/2"	22.28	22.38	19.1	12.75	12.85	9.7
YT-AS-RC-S7858	7/8 x 5/8"	22.28	22.38	19.1	15.93	16.03	12.7
YT-AS-RC-S7875	7/8 x 3/4"	22.28	22.38	19.1	19.1	19.2	15.7
YT-AS-RC-S11858	1 1/8 x 5/8"	28.65	28.75	23.1	15.93	16.03	12.7
YT-AS-RC-S11875	1 1 /8 x 3/4"	28.65	28.75	23.1	19.1	19.2	15.7
YT-AS-RC-S11878	1 1 /8 x 7/8"	28.65	28.75	23.1	22.28	22.38	19.1
YT-AS-RC-S13878	1 3/8 x 7/8"	35	35.1	24.6	22.28	22.38	19.1
YT-AS-RC-S138118	1 3/8 x 1 1/8"	35	35.1	24.6	28.65	28.75	23.1
YT-AS-RC-S15875	1 5/8 x 3/4"	41.35	41.48	27.7	19.1	19.2	15.7
YT-AS-RC-S15878	1 5/8 x 7/8"	41.35	41.48	27.7	22.28	22.38	19.1
YT-AS-RC-S158118	1 5/8" x 1 1/8"	41.35	41.48	27.7	28.65	28.75	23.1
YT-AS-RC-S158138	1 5/8" x 1 3/8"	41.35	41.48	27.7	35	35.1	24.6
YT-AS-RC-S21878	2 1/8 x 7/8"	54.05	54.18	34	22.28	22.38	19.1
YT-AS-RC-S218118	2 1/8 x 1 1 /8"	54.05	54.18	34	28.65	28.75	23.1
YT-AS-RC-S218138	2 1/8 x 1 3/8"	54.05	54.18	34	35	35.1	24.6
YT-AS-RC-S218158	2 1/8 x 1 5/8"	54.05	54.18	34	41.35	41.48	27.7

DZR

BRASS TYPE A FITTINGS

Established in 1968, Yuhuan General Ball Valve Factory Co., Ltd. was the first valve manufacturer to take root in Yuhuan, Zhejiang, China which is now recognised worldwide as a centre of excellence for valve production. What began as a single, determined enterprise has, over more than fifty years, matured into a modern manufacturing organisation with a truly global reach.

Today, the company operates two advanced production facilities covering a combined area of 80,000 square metres. Its core focus spans the research, development, manufacture, and distribution of plumbing systems, sanitaryware, home door locks, and HVAC solutions.

This capability is supported by a robust and carefully scaled manufacturing infrastructure - hot forging and cold punching systems, an extensive CNC workshop equipped with robotic automation, turning and milling composite machines, semi-automatic production units, and precision bar-feeding and waterwheel machinery.

Polishing and finishing are managed through a blend of automated robotic systems and skilled manual craftsmanship, while six dedicated assembly lines ensure consistency and efficiency across all product ranges.

Products are supplied to markets across the world and are valued for their reliability, build quality, and thoughtful aftersales support. This reputation is reinforced by a comprehensive portfolio of international certifications, including ISO9001, WRAS, CE, QAS, UL, ACS, and SGS.

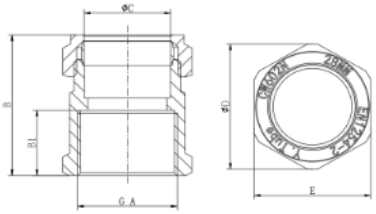
As a fully integrated manufacturer, the company exercises strict control across every stage of the production process - from raw material selection through to final packaging and global distribution. Its operational discipline is matched by financial integrity, recognised through the award of an AAA credit rating for ten consecutive years.

With experience as its foundation and innovation as its compass, the organisation remains committed to delivering enduring quality and service that stands the test of time.

DZR BRASS (CW602N) TYPE A FITTINGS

Manufactured to British Standards

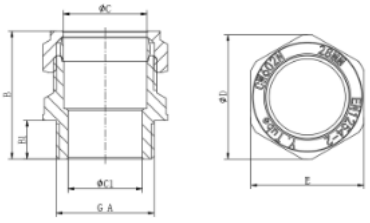
Female Coupling



Article No.	Size (in)	ØC Min	ØC Max	GA	B1 Min	B Min	B Max	ØD Min	E Min	E Max
YT-DZR-FC-2275	22 x 3/4"	Ø22.15	Ø22.25	G 3/4"	18.8	44.1	44.8	Ø34.7	31.3	31.7
YT-DZR-FC-281	28 x 1"	Ø28.15	Ø28.25	G 1"	21.8	46.8	47.5	Ø41.7	37.7	38.2
YT-DZR-FC-42112	42 x 1 1/2"	Ø42.15	Ø42.25	G 1 1/2"	22.8	61	61.6	Ø60.7	56.7	61.2
YT-DZR-FC-542	54 x 2"	Ø54.15	Ø54.25	G 2"	25.3	68.3	70	Ø73.7	68.7	69.2

15mm x 1/2" and 35mm x 1 1/4" are available on request

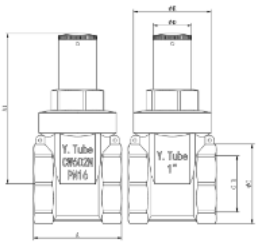
Male Coupling



Article No.	Size (in)	ØC Min	ØC Max	ØC1 Min	ØC1 Max	GA	B1 Min	B Min	B Max	ØD Min	E Min	E Max
YT-DZR-MC-2275	22 x 3/4"	Ø22.15	Ø22.25	Ø19.8	Ø20.2	G 3/4"	11.3	41.6	42.4	Ø34.7	31.3	31.7
YT-DZR-MC-281	28 x 1"	Ø28.15	Ø28.25	Ø24.8	Ø25.2	G 1"	12.8	42.6	43.7	Ø41.7	37.7	38.2
YT-DZR-MC-42112	42 x 1 1/2"	Ø42.15	Ø42.25	Ø37.8	Ø38.2	G 1 1/2"	15.8	55.3	56	Ø60.7	56.7	61.2
YT-DZR-MC-542	54 x 2"	Ø54.15	Ø54.25	Ø50.3	Ø50.7	G 2"	17.8	58.3	60	Ø73.7	68.7	69.2

15mm x 1/2" and 35mm x 1 1/4" are available on request

Lockable Gate Valve



Article No.	Size (in)	A Min	A1 Min	GB	ØC Min	ØD Min	ØD Max	ØE Min	ØE Max
YT-DZR-LGV-S75	3/4"	46.3	46.7	G 3/4"	Ø33.7	Ø18.8	Ø19.2	Ø37	Ø37.4
YT-DZR-LGV-S1	1"	45.8	46.2	G 1"	Ø41.8	Ø19.8	Ø20.2	Ø40.3	Ø40.7
YT-DZR-LGV-S112	1 1/2"	63.8	111.8	G 1 1/2"	Ø62.3	Ø20.8	Ø21.2	Ø57.8	Ø58.2
YT-DZR-LGV-S2	2"	66.6	120.8	G 2"	Ø72.3	Ø20.8	Ø21.2	Ø67.3	Ø67.7

1/2" and 1 1/4" are available on request

YORKSHIRE
COPPER TUBE

Ask for it by name

YORKSHIRE COPPER TUBES

COPPER TUBE

PLASTIC COATED COPPER TUBE

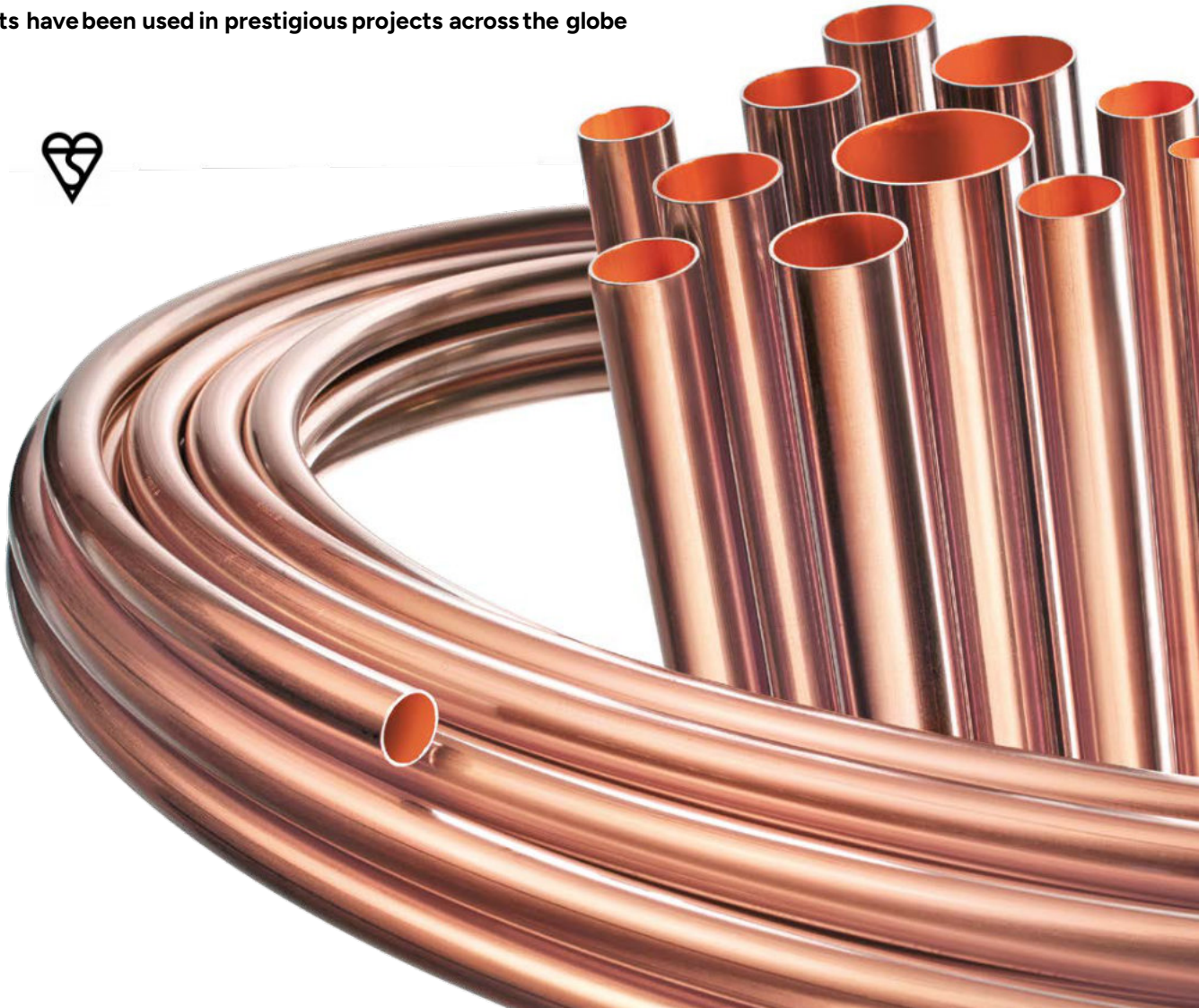
YORKSHIRE
COPPER TUBE

Ask for it by name

Committed to Excellence

Operating from one of the most modern factories in the world, Yorkshire Copper Tube combines advanced manufacturing methods with sophisticated quality control techniques to ensure that only consistently high standard tubes are supplied to customers.

- **Yorkshire's tubes carry a 25 year guarantee against manufacturing defects**
- **Yorkshire offers a comprehensive range of Yorkex, Kuterlon and Minibore plain tube to BS EN 1057 and Kuterlex and Kuterlex Plus covered tube to BS EN 1057 / BS EN 13349, as well as Yorkshire Medical Gas Tube to BS EN 13348 and complying with the requirements of EMS - ISO 14001:2015**
- **Tubes carry BSi Kitemark certification**
- **The quality management system is approved to BS EN ISO 9001**
- **Products have been used in prestigious projects across the globe**



YORKSHIRE COPPER TUBE

Ask for it by name

Trusted for Life

Whether you are building a 20-storey sophisticated tower block or a quaint one bedroom cottage, you need the peace of mind that comes from using the world's most trusted copper plumbing and heating tube from Yorkshire Copper Tube.

TRIED AND TESTED

Yorkshire's tubes have a long and proven track record of trouble free operation.

All tubes are manufactured to recognised international quality standards.

Over 600,000 tonnes of copper plumbing tube is sold annually throughout the world.

Manufactured in the UK for over 65 years.

PROFESSIONAL AND ATTRACTIVE

Copper provides a professional, sleek finish.

Its rigidity means it can be installed vertically or horizontally.

Minimum expansion means pipes do not sag when hot water passes through.

Copper tube has relatively high water carrying capacity. For given flow rates, smaller diameter pipework can be used than would be required for other materials.

YORKSHIRE
COPPER TUBE

Ask for it by name

STRONG AND DURABLE

- Copper systems are so reliable that you can fit them and forget them
- Pipes are largely maintenance free and do not require replacement
- Copper maintains its physical and mechanical properties at extreme temperatures ranging from -200 to +205˚C
- It is also naturally inert and remains totally unaffected when exposed to long periods of direct sunlight
- Copper has excellent corrosion resistance to most waters and gases
- Copper systems are durable and can withstand high working pressures

ECOLOGICAL AND NON-PERMEABLE

- Copper has excellent ecological credentials
- 90 per cent of copper and brass scrap is recycled
- At the end of a building's life, all copper can be reclaimed
- Copper is non-porous and contaminants cannot penetrate it
- Using copper can prevent corrosion in boilers and radiators
- Copper is not susceptible to rodent attacks

MODERN AND VERSATILE

- Copper tubes and fittings are suitable for water and gas services
- They can be used in most parts of a plumbing or heating system
- Copper systems are interchangeable; you can use pipes and fittings from different manufacturers
- Specially cleaned copper tube and fittings are available for medical gas, oxygen and vacuum lines
- Modern press and push fit systems meet the growing requirement for flame-free installation
- Copper tubes can be installed quickly, neatly and efficiently in limited spaces, reducing project costs and timings

FIRE RESISTANT AND SAFE

- Copper has very high fire resistance
- Pipes and fittings will not lose physical and mechanical properties in fire situations
- Copper does not generate toxic fumes during a fire
- Copper is approved for use in sprinkler systems in domestic and industrial buildings
- Copper systems keep the water safe
- As a bactericide, copper can consistently suppress bacterial growth

YORKSHIRE
COPPER TUBE

Ask for it by name

Product Ranges

With a long-standing reputation for product excellence and reliability, Yorkshire Copper Tube produces a wide range of plain, plastic coated and special finish copper tube for applications such as gas, water and sanitation systems.

The copper tubes, which are used across the globe, carry fluids and gases ranging from liquid nitrogen at -196˚C to high-pressure steam at +205˚C.

COPPER TUBE

YORKEX

A general purpose copper tube for above ground services.

Available in straight tube in sizes 15mm – 219mm.

KUTERLON

Thicker walled copper tube for severe service applications.

Available in straight tube in sizes 15mm – 108mm and in coils 15mm + 22mm.

MINIBORE

Small bore tube supplied in coil form in sizes 6mm, 8mm and 10mm.

PLASTIC COATED COPPER TUBE

KUTERLEX

Plastic coated copper tube designed to protect against aggressive environments and colour coded to aid identification. Available in straight and coil form.

KUTERLEX PLUS

Copper tube coated with a protective cover incorporating air channels, ideally suited for central heating systems and for laying directly in screed.

SPECIALISED TUBE

YORKEX CHROME-PLATED

Yorkex tube with a decorative chromium plated finish.

YORKSHIRE MEDICAL

Specially cleaned and degreased copper tube suitable for use in medical and industrial gas applications.

YORKSHIRE COPPER TUBE

Ask for it by name

Yorkex

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.

Yorkex - Half hard Range

BS EN 1057-R250

Size OD x Wall	Standard Available Lengths*	Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per inner bundle	Tubes per master bundle
(mm)	5.8m	(Kg/m)	(bar) #	(l/m)		
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

Yorkex - Hard Range

BS EN 1057-R290

Size OD x Wall	Standard Available Lengths	Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per inner bundle	Tubes per master bundle
(mm)	5.8m	(Kg/m)	(bar) #	(l/m)		
35 x 1.2	●	1.134	51	0.835	5	50
42 x 1.2	●	1.369	42	1.232	5	50
54 x 1.2	●	1.772	33	2.091	5	50
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	5
159 x 2.0	●	8.781	18	18.872	1	4
219 x 3.0	●	18.185	20	35.633	1	2

YORKSHIRE COPPER TUBE

Ask for it by name

Kuterlon

With a wall thickness significantly greater than that of Yorkex, 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.

Kuterlon - Straight Tube Range

BS EN 1057 15-28mm Half hard (R250),35-108mm (R290)Hard

Size	Standard Available Lengths	Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per inner bundle	Tubes per master bundle
(mm)	5.8m	(Kg/m)	(bar) #	(l/m)		
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	10

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	Bore Capacity	Coils per pallet
(mm)	25m	(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

Ask for it by name

Kuterlex

Kuterlex is copper tube coated with a seamless LDPE plastic cover that protects the copper tube against aggressive materials. The Kuterlex cover eliminates time-consuming wrapping operations. It is colour coded to identify the services carried in accordance with UK local authority specifications and BS 1710 "Specification for identification of pipelines and services."

Kuterlex - Straight Tube Range

BS EN 13349 / BS EN 1057 15-28mm Half hard (R250),35-76.1mm Hard (R290)

Size OD x Wall	Covering Thickness	Available colours and lengths	Nominal Tube Weight	Nominal Covering Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per inner bundle	Tubes per master bundle
(mm)	(mm)	5.8m	(Kg/m)	(Kg/m)	(bar) #	(l/m)		5.8m/6m
15 x 0.7	1.0	○ ●	0.280	0.05	58	0.145	10	100/240
15 x 1.0	1.0	●	0.391	0.05	87	0.133	10	100
22 x 0.9	1.0	○ ●	0.531	0.07	51	0.321	10	100/150
22 x 1.2	1.0	●	0.698	0.07	69	0.302	10	100
28 x 0.9	1.0	○ ●	0.682	0.08	40	0.539	5	50/90
28 x 1.2	1.0	●	0.899	0.08	55	0.515	5	100
35 x 1.2	1.5	○ ●	1.134	0.16	51	0.835	5	50
35 x 1.5	1.5	●	1.405	0.16	65	0.804	5	50
42 x 1.2	1.5	○ ●	1.369	0.19	42	1.232	5	50
42 x 1.5	1.5	●	1.699	0.19	54	1.195	5	50
54 x 1.2	1.5	○ ●	1.772	0.24	33	2.091	3	30
54 x 2.0	1.5	●	2.908	0.24	56	1.964	3	30
66.7 x 1.2	2.0	●	2.198	0.40	26	3.248	1	10
76.1 x 1.5	2.0	●	3.129	0.45	29	4.197	1	10

Kuterlex - Coil Range

BS EN 13349 / BS EN 1057 Annealed (R220)

Size OD x Wall	Covering Thickness	Available colours and lengths			Nominal Tube Weight	Nominal Covering Weight	Maximum Working Pressure up to 65°C	Bore Capacity
(mm)	(mm)	10m	25m	50m	(Kg/m)	(Kg/m)	(bar) #	(l/m)
8 x 0.6	1.0		○	○	0.124	0.03	66	0.036
10 x 0.7	1.0	○	○ ●	○	0.182	0.03	62	0.058
15 x 1.0	1.0		●		0.391	0.05	67	0.133
22 x 1.2	1.0		●		0.698	0.07	57	0.302
28 x 1.2	1.0	●	●	●	0.903	0.08	42	0.515

Based on tube in the supplied hardness

● Cold water services

● Gas services

○ General purpose

YORKSHIRE COPPER TUBE

Ask for it by name

Kuterlex Plus

Kuterlex Plus copper tube is sheathed in a continuous LDPE cover that has air channels on the internal surface. Kuterlex Plus is primarily designed to give the tube enhanced protection from external attack. In addition, the cover creates a thermal barrier which reduces heat loss from buried tube and condensation on exposed cold pipework. It has an insulation factor of 0.29 W/m/K.

Kuterlex Plus - Straight Tube Range

BSEN 13349 / BSEN 1057 15-28mm Half hard (R250)

Size OD x Wall	Covering Thickness	Available colours and lengths	Nominal Tube Weight	Nominal Covering Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per inner bundle	Tubes per master bundle
(mm)	(mm)	5.8m	(Kg/m)	(Kg/m)	(bar) #	(l/m)		
15 x 0.7	2.0	◯	0.280	0.07	58	0.145	10	100
22 x 0.9	2.0	◯	0.531	0.13	51	0.321	10	100

Kuterlex Plus - Coil Range

BSEN 13349 / BSEN 1057 Annealed (R220)

Size OD x Wall	Covering Thickness	Available colours and lengths	Nominal Tube Weight	Nominal Covering Weight	Maximum Working Pressure up to 65°C	Bore Capacity
(mm)	(mm)	25m	(Kg/m)	(Kg/m)	(bar) #	(l/m)
10 x 0.7	1.6	◯	0.182	0.05	62	0.058
15 x 1.0	2.0	◯	0.391	0.07	67	0.133

Based on tube in the supplied hardness

YORKSHIRE COPPER TUBE

Ask for it by name

Medical Gas Tubes

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 malodour from any residual lubricants that may taint breathable gases.

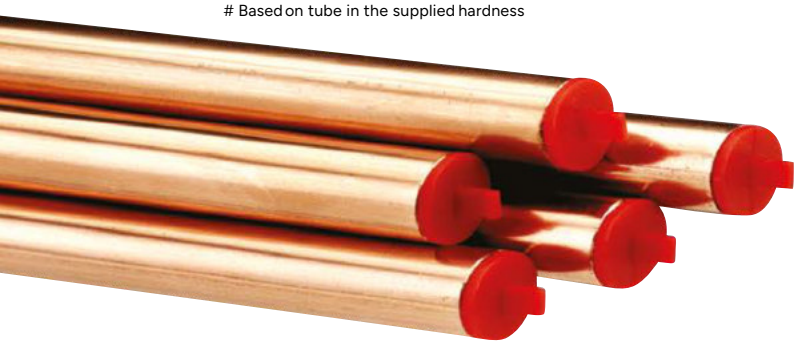
Yorkex Medical

Size	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	(Kg/m)	(bar) #	(l/m)		
BSEN13348 12-28mm Half hard (R250),35-108mm (R290)Hard						
12 x 0.6	●	0.191	63	0.092	10	100
15 x 0.7	●	0.280	58	0.145	10	100
22 x 0.9	●	0.531	51	0.321	5	50
28 x 0.9	●	0.682	40	0.539	5	50
35 x 1.2	●	1.134	51	0.835	3	30
42 x 1.2	●	1.369	42	1.232	2	20
54 x 1.2	●	1.772	33	2.091	1	10
66.7 x 1.2	●	2.198	26	3.248	1	10
76.1 x 1.5	●	3.129	29	4.197	1	10
108 x 1.5	●	4.467	20	8.660	1	10

Kuterlon Medical

Size	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	(Kg/m)	(bar) #	(l/m)		
BSEN13348 12-28mm Half hard (R250),35-42mm (R290)Hard						
12 x 0.8	●	0.251	87	0.085	10	100
15 x 1.0	●	0.391	87	0.133	10	100
22 x 1.2	●	0.698	69	0.302	5	50
28 x 1.2	●	0.899	55	0.515	5	50
35 x 1.5	●	1.405	65	0.804	3	30
42 x 1.5	●	1.699	54	1.195	2	20

Based on tube in the supplied hardness



YORKSHIRE COPPER TUBE

Ask for it by name

Minibore

Minibore is a small bore tube supplied in coil form in lengths up to 25m 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.

Minibore - Coil Range

BS EN 1057 Annealed (R220)

Size OD x Wall	Standard Available Lengths				Nominal Tube Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Coils per Box	Box per pallet	Coils per pallet
(mm)	10m		25m		(Kg/m)	(bar) #	(l/m)			
6 x 0.6			●		0.09	90	0.018	5	12	40
8 x 0.6	●				0.12	66	0.036	10	12	120
			●					4	16	64
10 x 0.7					0.18	62	0.058	10	12	120
	●							5	12	60
								4	12	48
			●					2	12	24

Based on tube in the supplied hardness

(8 and 10mm coils packed in 100m boxes)

YORKSHIRE
COPPER TUBE

Ask for it by name

HVAC & Refrigeration Coils

Yorkshire Copper Tube refrigeration service coils are designed to meet the demanding conditions of modern HVAC/R applications and refrigerants. Our coils are cast from the highest purity copper and manufactured toglobal standards. Each coil is packaged and protected to maintain high cleanliness levels and ensure a long lifespan for HVAC/R systems and equipment.

Yorkshire Copper Tube Product Specification Table

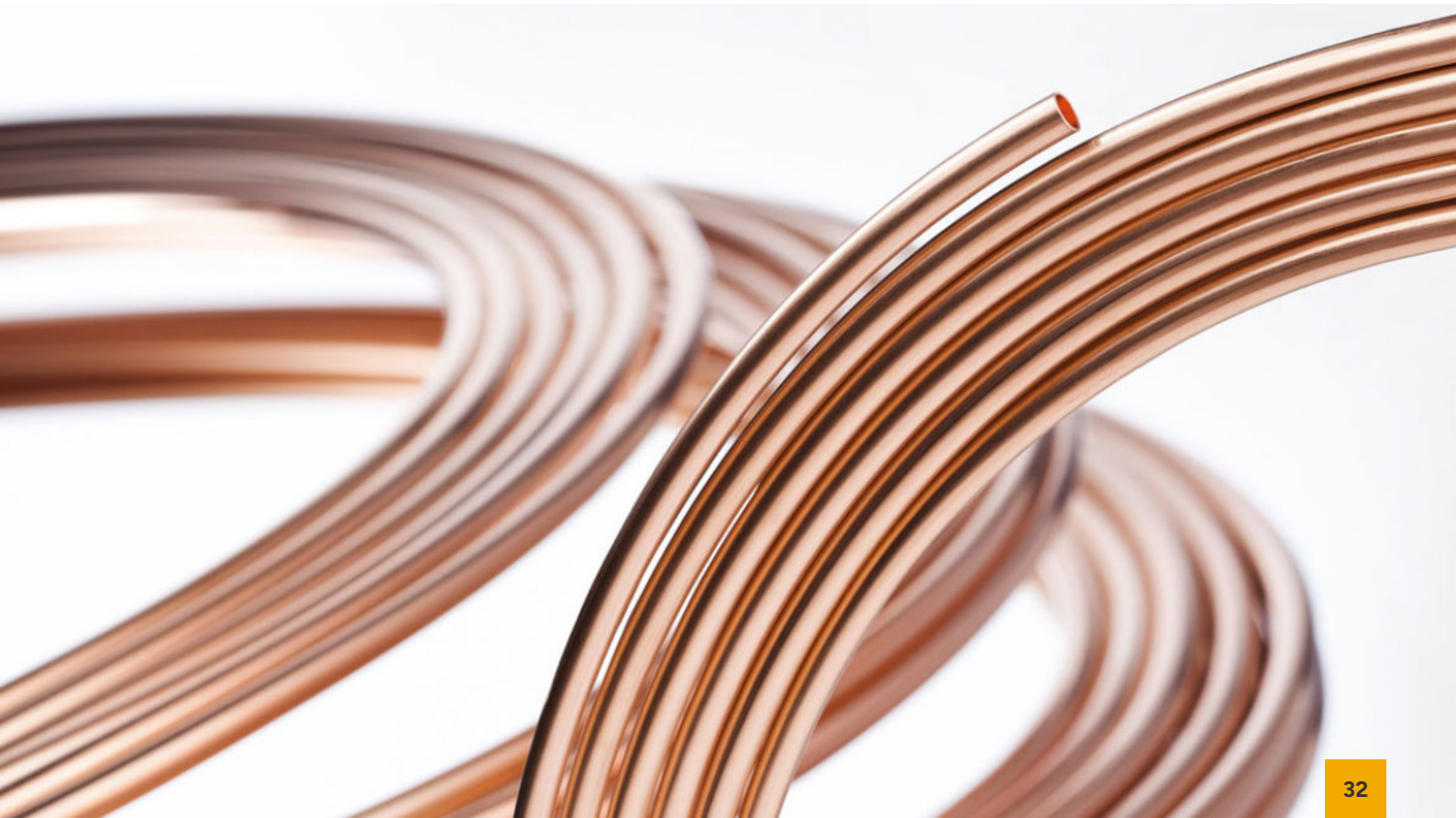
Outer diameter and wall thickness is manufactured in accordance with ASTM B280

Type	Size (OD)		Wall Thickness		50ft		
	Inch	mm	Inch	mm	kg	lbs	Box Qty
Soft Coil ASTM B280	1/4"	6.35	0.030"	0.76	1.83	4.03	10
	3/8"	9.52	0.032"	0.81	3.03	6.69	10
	1/2"	12.70	0.032"	0.81	4.13	9.11	5
	5/8"	15.88	0.035"	0.89	5.68	12.53	4
	3/4"	19.05	0.035"	0.89	6.92	15.25	3
	7/8"	22.22	0.045"	1.14	10.32	22.75	3

Size		Minimum Internal Burst Pressure (PSIG)
O.D.	WALL(*)	PSI
1/4"	0.030	6,522
3/8"	0.032	4,680
1/2"	0.032	3,502
5/8"	0.035	2,999
3/4"	0.035	2,479
7/8"	0.045	2,820

*The burst pressure values are calculated as per ANSI B31

*Available in Straight Lengths



Y.TUBE

TECHNICAL INFORMATION + CERTIFICATIONS & APPROVALS

TECHNICAL INFORMATION

End Feed Fittings

Y.TUBE end feed fittings, manufactured in copper, is a fast, reliable and economic method of joining BS EN 1057 copper tube.

End feed fittings connect to copper tube through the process of capillary action with solder forming an easy, effective joint between the fitting and the tube. They are lightweight for easy handling and lend themselves well to confined environments due to their compact sizing.

Y.TUBE operates under a quality management system adhering to ISO 9001:2008 standards for the manufacture and supply of fittings and components. This rigorous internal system enables us to confidently guarantee our end feed fittings against manufacturing defects for 25 years, provided they are installed according to our instructions on specified tube materials and applications.

- Available in sizes from 12mm to 108mm
- Copper fittings manufactured to EN 1254
- Designed to be connected to EN 1057 Copper tube
- Marked with the Y.TUBE logo
- WRAS Approved

Working Temperatures & Pressures

Max Temp. (1) °C	Max pressures for nominal diameters (1)(2) BAR	
	From 6mm up to 34mm	From 34mm up to 54mm
30	25	25
65	25	16
110	16	10

Tube compatibility

All installers should ensure that the size of the fitting matches the size of the pipe, whilst also ensuring both are in good condition and free from damage and imperfections.

Y.TUBE fittings are designed to connect with YORKSHIRE Copper Tube EN 1057 , for water and gas in sanitary and heating applications.

Chemical Composition

Item	Cu	P	Fe	Bi	Zn	S	Sn
Standard Value (%)	**99.90 MIN**	**0.015 - 0.040**	**0.005 MAX**	**0.001 MAX**	**0.005 MAX**	**0.005 MAX**	---------
Testing Data (%)	99.9726	0.02061	0.00054	0.00010	0.00029	0.00052	0.00050
Item	**Ni**	**Pb**	**Sb**	**As**	**O**		
Standard Value (%)	---------	**0.005 MAX**	**0.002 MAX**	**0.002 MAX**	**0.001 MAX**		
Testing Data (%)	0.00100	0.00031	0.00100	0.00100	0.0001		

Note : Product Data Sheets available on request.

TECHNICAL INFORMATION

Solder Ring Fittings

Y.TUBE solder ring fittings, manufactured in copper, is a fast, reliable and economic method ofjoining BS EN 1057 copper tube.

Solder ring fittings connect to copper tube through the process of capillary action with solder forming an easy, effective joint between the fitting and the tube. They are lightweight for easy handling and lend themselves well to confined environments due to their compact sizing.

Y.TUBE operates under a quality management system adhering to ISO 9001:2008 standards for the manufacture and supply of fittings and components. This rigorous internal system enables us to confidently guarantee our solder ring fittings against manufacturing defects for 25 years, provided they are installed according to our instructions on specified tube materials and applications.

- Available in sizes from 12mm to 54mm
- Copper fittings manufactured to EN 1254
- Designed to be connected to EN 1057 Copper tube
- Marked with the Y.TUBE logo
- WRAS Approved

Working Temperatures & Pressures

Max Temp. (1) °C	Max pressures for nominal diameters (1)(2) BAR	
	From 6mm up to 34mm	From 34mm up to 54mm
30	25	25
65	25	16
110	16	10

Tube compatibility

All installers should ensure that the size of the fitting matches the size of the pipe, whilst also ensuring both are in good condition and free from damage and imperfections.

Y.TUBE fittings are designed to connect with YORKSHIRE Copper Tube EN 1057 , for water and gas in sanitary and heating applications.

Chemical Composition

Item	Cu	P	Fe	Bi	Zn	S	Sn
Standard Value (%)	**99.90 MIN**	**0.015 - 0.040**	**0.005 MAX**	**0.001 MAX**	**0.005 MAX**	**0.005 MAX**	---------
Testing Data (%)	99.9726	0.02061	0.00054	0.00010	0.00029	0.00052	0.00050
Item	**Ni**	**Pb**	**Sb**	**As**	**O**		
Standard Value (%)	---------	**0.005 MAX**	**0.002 MAX**	**0.002 MAX**	**0.001 MAX**		
Testing Data (%)	0.00100	0.00031	0.00100	0.00100	0.0001		

Note : Product Data Sheets available on request.

TECHNICAL INFORMATION

Y.TUBE ASTM

Working Pressures and Solder

The table of maximum working pressures below must be understood to reflect what is generally considered as good engineering practice under reasonably constant and steady conditions at pressures which are fairly steady, absence of particularly severe hydraulic shock, etc. Unusual conditions may require increased safety factors and therefore lower working pressures should be used.

Internal Pressure - Temperature Ratings for Copper Fittings, kPa

Standard Water Tube Size	-29°C to 38°C	66°C	93°C	121°C	149°C	177°C	204°C
1/4	6 280	5 340	5 130	5 020	4 920	4 190	3 140
3/8	5 360	4 560	4 380	4 290	4 200	3 570	2 680
1/2	4 970	4 220	4 060	3 980	3 890	3 310	2 480
5/8	4 350	3 700	3 550	3 480	3 410	2 900	2 170
3/4	4 010	3 410	3 210	3 210	3 140	2 670	2 000
1	3 400	2 890	2 780	2 720	2 660	2 270	1 700
1 1/4	3 020	2 570	2 470	2 420	2 370	2 010	1 510
1 1/2	2 810	2 390	2 300	2 250	2 200	1 870	1 400
2	2 500	2 130	2 040	2 000	1 960	1 670	1 250
2 1/2	2 310	1 960	1 890	1 850	1 810	1 540	1 150
3	2 180	1 850	1 780	1 740	1 710	1 450	1 090
3 1/2	2 090	1 770	1 700	1 670	1 630	1 390	1 040

Chemical Composition

Item	Cu	P	Fe	Bi	Zn	S	Sn
Standard Value (%)	**99.90 MIN**	**0.015 - 0.040**	**0.005 MAX**	**0.001 MAX**	**0.005 MAX**	**0.005 MAX**	---------
Testing Data (%)	99.973	0.01970	0.00150	0.00010	0.00100	0.00100	0.00050
Item	**Ni**	**Pb**	**Sb**	**As**	**O**		
Standard Value (%)	---------	**0.005 MAX**	**0.002 MAX**	**0.002 MAX**	**0.001 MAX**		
Testing Data (%)	0.00100	0.00100	0.00100	0.00100	0.0001		

Item	Cu + Ag	P	Fe	S	Pb	Zn	O
Standard (%)	**≥ 99.90**	**0.015 ~ 0.040**	**≤ 0.005**	**≤ 0.005**	**≤ 0.005**	**≤ 0.005**	**≤ 0.001**
Actual (%)	99.9726	0.02061	0.00054	0.00052	0.00031	0.00029	0.00001

Note : Product Data Sheets available on request.

Soldering and Brazing Copper Tube

Soldering and brazing with capillary solder joint fittings is the most common method for joining copper tubes. Soldering is defined as a joining process that occurs below 840°F, while brazing refers to a similar process that takes place above 840°F.

The general procedure for soldering and brazing is the same for all diameters...the variables are: the amount of heat, and the filler metal required to complete the joint. In all instances, the best product is made by a trained craftsman who knows and respects the materials and methods he uses.

Basic Steps in Joining Process

Measuring - Measuring the length of the tube must be accurate. If the tube is too short it will not reach all the way into the socket of the fitting and a proper joint cannot be made.

Cutting - Cutting tube can be accomplished in a number of different ways to produce a satisfactory, square cut. The tube can be cut with a disc type tube cutter, a hacksaw, abrasive wheels, or stationary tube and pipe machines. Care must be exercised to ensure that the tube is not deformed and that the end of the tube remains round. Deformation must be avoided so the run of the tube will seat properly in the fitting socket.

Reaming - Most methods of cutting leave a small burr on the end of the tube. Unless these rough edges are removed, erosion-corrosion may result. The reaming tools include increased velocities at tube ends. Tools used to ream tube ends include the reaming blade on the tube cutter, half-round or rat-tail files, a deburring tool, or a suitable deburring knife. With annealed tube, care must be taken not to thin the tube end out-of-round by applying too much pressure. Both the inside and the outside of the tube may require removal of the burr. A properly reamed piece of tube will provide a smooth surface for better flow.

Cleaning - Cleaning is quickly and easily done. The removal of oxides and surface soil is crucial if filler metal is to flow properly. Oxides, surface soil and dirt must be removed from both the tube end and the fitting well and the joint's failure. Mechanical cleaning is easily accomplished with sand cloth and steel wool. The inside of fittings may be cleaned with sandcloth wrapped pads for a distance only slightly more than the depth of the fitting socket. The socket of the fitting should also be cleaned using the same abrasive material as used on the tube end. The same precautions, as when reaming the tube, should be observed.

Fluxing - The purpose of the flux is threefold. A flux suitable for soldering or brazing is required. The flux chemically cleans the joint area, promotes wetting, and by excluding air, prevents reoxidation. A loose fit will result if an interference fit satisfactory for capillary action is maintained. The capillary space between tube and fitting is generally 0.002" to 0.005" for proper capillary action. This spacing is critical for the filler metal to flow into the gap and form a strong joint. Chemical cleaning may be omitted, providing the tube and fittings are chemically cleaned and fluxed by the manufacturer's recommendations furnished with the cleaner. This will help neutralize any acids that may exist after cleaning. Surfaces must be thoroughly cleaned without bare hands or oily gloves. Skin oils, lubricants and oils are an improper solder flow and must be avoided.

Temperature Changes

Up to this point, the joining process is the same for both soldering and brazing. The choice for soldering or brazing will depend upon operating conditions. Solder joints are generally used where the system temperatures do not

exceed 250°F and brazed joints can be used where greater strengths are required, or where system temperatures are as high as 350°F. In actual practice, most soldering is done at temperatures between 400°F to 600°F, while brazing is done at temperatures ranging from 1100°F to 1500°F.

Because of the difference in the soldering and brazing processes, each will be discussed separately.

Soldering

Fluxes - A non-aggressive soldering flux is recommended. Stir the flux before use. A good flux will dissolve and remove traces of oxides, exclude air from the surface to be soldered, promote wetting of the surfaces by the solder, and be readily removed by hot water after soldering. A thin, even coating of flux should be applied with a flux brush. Care must be taken not to use too much flux. Any excess flux may be drawn into the joint and may cause a weak or porous joint.

Types of solder - There are a variety of solders available that will meet different requirements. The most common solders are tin-lead, tin-antimony, and tin-silver. The selection depends upon the end use of the system being joined, such as plumbing, air conditioning, refrigeration, or potable water systems. Solders which do not contain lead are used for potable water systems.

Assembly - After both surfaces are properly fluxed, they should be assembled immediately. Insert the tube end squarely into the fitting until it seats against the base of the fitting cup. A slight twisting motion against flux should insure uniform coverage of the surfaces. The assembly should be supported to prevent movement during soldering and brazing. The proper capillary space between tube and fitting is required during soldering and brazing operations.

Heating - Because of the open flame and high temperatures required for soldering and the flammability of the gases used, safety precautions must be observed. The heat is generally applied by use of an air/fuel torch. These torches can use acetylene or a variety of LP gases. Electric resistance heating units can also be used.
Heat should be applied to the tube perpendicular to the tube. This preheat should join the initial heat into the socket for even distribution. Continued heat input. Preheating of the joint before solder is applied will aid in assuring the proper amount of heat throughout the assembled union fitting. Move the flame from the fitting socket to the tube and continue to heat the fitting socket until the solder melts. If the solder does not melt, direct the flame into the fitting cup. Care must be taken not to overheat or direct flame into the fitting cup. This can cause the flux to burn and destroy its effectiveness. When the melting temperature has been reached, heat the tube base at the bottom of the cup to aid capillary action in drawing the solder into the cup.

Applying Solder - When the tube is in a horizontal position, start applying the solder slightly off-center of the bottom joint. Proceed across the bottom of the fitting and up to the top-center point. Return to the point of beginning, overlap the starting point then proceed up the incompleted side to the top. Again, overlapping registers if the solder will be drawn into the joint by capillary action regardless if the solder is being fed upward, downward or horizontally.

Cooling & Cleaning - After the joint has been completed, natural cooling is best. Shock cooling may cause unnecessary stresses on the joint and may result in eventual failure. Once the fitting is cool, clean off any remaining flux with a wet rag.

Brazing

Applying Flux - The fluxes used for brazing copper joints are different in composition from soldering fluxes. They cannot, and should not, be used interchangeably. Brazing fluxes are water based. Similar to soldering fluxes, brazing fluxes dissolve and remove oxides from metal surfaces, protect the surfaces from oxidation during heating, and promote wetting of the surfaces by the filler metal. Apply the flux sparingly and evenly over the entire area to be joined using a small brush. Avoid touching the cleaned surfaces with the fingers prior to fluxing. After fluxing, the joint should be assembled immediately to prevent contamination.

Brazing Filler Metals - There are two general types of brazing filler metals for joining copper: BAg (Silver), BCuP (Phosphorus-Copper), and BCu (Copper). Silver brazing filler metals are classified according to the percentage of silver in the alloy.

Phosphorus-Copper brazing filler metals contain phosphorus and copper only. The upper temperature of silver mixtures melts relatively low (approximately 1200°F) while the phosphorus-copper alloy flows at approximately 1500°F. The proper alloy depends upon joint design, service requirements, and code regulations. Silver-bearing alloys are generally preferred because of their lower melting temperature and better flow.

Heating - The heating operation is the same as for soldering. First preheat the tube slightly ahead of the fitting. When the fitting socket reaches the proper brazing temperature, the brazing filler metal should be fed into the joint by capillary action.

Applying Brazing Filler Metal - Remember while the heat of the joint is uniform and sufficient, the filler metal will melt and be drawn into the joint by capillary action. It is important to apply the brazing metal where the tube enters the fitting. When the joint is complete, continue heating the tube slightly ahead of the point of application to maintain the alloy flow. Do not direct the flame directly onto the filler metal or preform ring. When the joint is completed, a uniform fillet should be visible completely around the joint.

Cooling and Cleaning - When the joint is complete, allow it to cool naturally. Flux residues can be removed by washing with hot water and brushing with a stiff wire brush.

Summary

If the parts to be joined are properly prepared, properly heated and the correct filler metal is used, the finished joint should be sound and suitable for copper piping systems. When installed properly, the copper and copper alloy systems will provide long trouble-free service. Proper training and correct installation techniques, such as those consistently reliable soldered and brazed joints by all diameters.

CERTIFICATIONS & APPROVALS

YORKSHIRE COPPER TUBE

Date: 05/09/25

TO WHOM IT MAY CONCERN,

Yorkshire Copper Tube is pleased to announce our partnership with Y.Tube Fittings as our preferred supplier of copper fittings. Y.Tube Fittings has been selected as our preferred choice for solder ring, end-feed, and compression fittings, all compliant with EN 1254 standards and WRAS-approved.

This partnership ensures a 25-year warranty on both Yorkshire Copper Tube and Y.Tube Fittings, thus providing end users with a seamless, guaranteed system of the highest quality.

We look forward to delivering long-lasting and reliable solutions through this collaboration.

Yours Faithfully

MUELLER EUROPE LIMITED
OXFORD STREET
BILSTON
WEST MIDLANDS WV14 7DS
UNITED KINGDOM
TEL: 0044 (0)1902 499700

Andrew Surtees

Sales Director

Mueller Europe Ltd.

YORKSHIRE COPPER TUBE
OXFORD STREET
WEST MIDLANDS - WV14 7DS
UNITED KINGDOM
TEL: 0044 (0)1902 499700

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OXFORD STREET, BILSTON, WEST MIDLANDS
TEL 01902 499700 FAX 01902 405838
www.yorkshirecopper.com
Registered in England No. 3316088 V.A.T. No. 687 834 963

CERTIFICATIONS & APPROVALS

WRAS APPROVED PRODUCT

This certifies that

NINGBO JINTIAN COPPER TUBE CO LTD

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

EF Range of copper end feed fittings
(FOR MODELS AND SIZES COVERED BY THE SCOPE OF THE APPROVAL PLEASE CONSULT THE WRAS ONLINE DIRECTORY AND/OR ACCOMPANYING WRAS APPROVAL LETTER)

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

January 2026

Certificate No.

2101805

Ian Hughes,
WRAS Approvals Manager

CERTIFICATIONS & APPROVALS

WRAS APPROVED PRODUCT

This certifies that

NINGBO JINTIAN COPPER TUBE CO LTD

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

SR RANGE OF COPPER SOLDER RING FITTINGS (FOR MODELS AND SIZES COVERED BY THE SCOPE OF THE APPROVAL PLEASE CONSULT THE WRAS ONLINE DIRECTORY AND/OR ACCOMPANYING WRAS APPROVAL LETTER)

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

January 2026

Certificate No.

2101804

Ian Hughes,
WRAS Approvals Manager

CERTIFICATIONS & APPROVALS

SOLDER RING CERTIFICATION

PAR AFNOR CERTIFICATION

NF

RACCORDS EN CUIVRE
A BRASER PAR CAPILLARITE
COPPER FITTINGS WITH ENDS FOR CAPILLARY BRAZING

Certificat

Certificate

Reconduction : N° 33/03 du 01/04/2025
Renewal : N° 33/03 from 01/04/2025
Date de fin de validité / *Expiry date : 31/03/2026*

Organisme certificateur : AFNOR Certification

Secrétariat Technique :
Centre Scientifique et Technique du Bâtiment (CSTB)
84 Avenue Jean Jaurès ; FR-77420 Champs-sur-Marne

La Société / *The Head office :*

HONGKONG MAYTIME INTERNATIONAL INDUSTRY LIMITED
LEVEL 54 HOPEWELL CENTRE183 QUEEN'S ROAD EAST, HONGKONG (CHINE)

Première admission / *First admission:* **01/04/2023**

Est autorisée à apposer la marque NF en application des règles générales de la marque NF et du référentiel de certification de l'application NF – Raccords en cuivre à braser par capillarité pour les produits cités en annexe.
Is authorized to affix the NF mark on the product(s) listed in appendix, in accordance with the general rules of the NF mark and the NF – Copper fittings with ends for capillary brazing certification scheme.

Cette décision atteste que les produits désignés en annexe sont certifiés conformes à la norme NF EN 1254-1 : 2021 et aux exigences supplémentaires après évaluation par AFNOR Certification tel que spécifié dans le référentiel de certification NF - Raccords en cuivre à braser par capillarité.
This decision attests that the product(s) mentioned in appendix have been assessed by AFNOR Certification and found to conform with the standard NF EN 1254-1: 1998 and complementary requirements, as specified in the NF – Copper fittings with ends for capillary brazing certification scheme.

Caractéristiques certifiées	***Certified characteristics:***
Dimensions et tolérances	*Dimensions and tolerances*
Résistance à la pression	*Pressure resistance*
Teneur en carbone et teneur en phosphore	*Carbon content and phosphorus content*

Ce certificat annule et remplace tout certificat antérieur. *This certificate supersedes all previous certificates.*
Ce certificat NF, incluant son annexe, est valable jusqu'au ***31/03/2026*** sous réserve des résultats des contrôles effectués par AFNOR Certification qui peut prendre toute décision conformément aux règles générales de la marque NF et au référentiel de certification NF - Raccords en cuivre à braser par capillarité.
*This NF certificate and related appendix is valid until **31/03/2026** subject to the results obtained upon regular controls carried out by AFNOR Certification. Appropriate decision is made by AFNOR Certification in accordance with the general rules of the NF mark and specific certification scheme NF - Copper fittings with ends for capillary brazing.*

cofrac
CERTIFICATION DE PRODUITS ET SERVICES
ACCRÉDITATION N° 5-0030 PORTÉE DISPONIBLE SUR WWW.COFRAC.FR

Julien NIZRI
Directeur Général d'AFNOR Certification
Managing Director of AFNOR Certification

CERTI F 1332.4 11/2014

11 rue Francis de Pressensé - 93571 La Plaine Saint-Denis Cedex - France - T. +33 (0)1 41 62 80 00 - F. +33 (0)1 49 17 90 00
SAS au capital de 18 187 000 € - 479 076 002 RCS Bobigny - www.afnor.org

afnor CERTIFICATION

CERTIFICATIONS & APPROVALS

DZR BRASS TYPE A CERTIFICATION

CERTIFICATE OF REGISTRATION

Certificate No: 60025Q0636R1S

YUHUAN GENERAL BALL VALVE FACTORY CO.,LTD

Unified Social Credit Code: 913310211483410203

Registration Address: Yungang Village, Chumen Town, Yuhuan City, Zhejiang Province PC: 317605

Business Address: Yungang Village, Chumen Town, Yuhuan City, Zhejiang Province China PC: 317605

The Management System is in Conformity with Standards of

GB/T19001-2016/ISO9001:2015

Certificate Coverage:

Production and sales of valves and plumbing fittings, sanitary ware and door hardwares lock Parts (except the scope required by laws and regulations)
(Industry category code: 17,18)

Reissue Date : 2025-09-24 Term of Validity: 2028-09-23

First Issue Date : 2022-10-11

NOTE: The certified organization must accept the surveillance audit duly,and the audit shall be approved as effective before approving that this certificate can maintain as valid.On and by2026-09-25,this certificate shall be used together with notice maintaining certification and registration.

MSCB-344

The certified organization must accept the surveillance audit duly, and the audit shall be Approved as effective before approving that this certificate can maintain as valid.
The certificate should be used under national specified administrative qualification licence Scope and within the expiration date.
Information about this certificate can be found on the official website of the Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn), or visit our website (www.zrrz.org. cn) for query.
Address: Room 1109-1110, Building 1, Xincheng Building, No. 199 Yinsha Road, Xiasha Street, Qiantang District, Hangzhou, Zhejiang. Tel: 0571-82171760

ZHONGRUI CERTI FICATION (ZHEJIANG) CO., LTD.

YORKSHIRE
COPPER TUBE

Ask for it by name

TECHNICAL INFORMATION + CERTIFICATIONS & APPROVALS

YORKSHIRE COPPER TUBE
Ask for it by name

Phone +44 (0) 1902-499700

Copper Tube - WRAS Approval

Copper tubes to BS EN 1057 continue to be suitable for the conveyance of drinking water and are approved under the latest WRAS requirements.

Since the WRAS Directory of Approved Products and Materials was first published, certain BSI Kitemark Licenced products (including Copper Tubes to BS EN 1057) were granted WRAS Approval due to their BSI endorsement. They required no further testing by the Water Industry because the requirements of the Standard and the schemes of supervision and control for licensees concerning the type of product also satisfied the requirements of water regulations and byelaws.

Towards the end of 2014, the WRAS website was modified and the decision taken to remove specific references to Kitemarked products and standards. However, copper tubes to BS EN 1057 remain approved, by reference to Section 4 of The Water Supply (Water Fittings) Regulations 1999 and the "Introduction" in BS EN 1057:2006.

Section 4, subsection 2 of the Statutory Instrument 1999 No.1148 – The Water Supply (Water Fittings) Regulations 1999, which has been amended under subsequent legislation, states the following :

For the purposes of this regulation, a water fitting is of an appropriate quality or standard only if –

a) it bears an appropriate CE marking in accordance with the Directive;

b) it conforms to an appropriate harmonized standard or European technical approval;

c) it conforms to an appropriate British Standard or some other national specification of an EEA State which provides an equivalent level of protection and performance; or

d) it conforms to a specification approved by the regulator.

The Introduction to BS EN 1057:2006 states:

Products in conformity with this European Standard are considered suitable for drinking water applications subject to either

a) compliance with any national regulations in the country of intended destination; or

b) compliance in due course with the proposed European Acceptance Scheme (EAS) that will introduce common EU requirements for testing for fitness for contact with drinking water.

Jeff Rogers
Quality Engineering Manager
August 2017

YORKSHIRE COPPER TUBE
OXFORD STREET
WEST MIDLANDS - WV14 7DS
UNITED KINGDOM
TEL: 0044 (0)1902 499700

A Mueller Industries Company
Registered Office:
Oxford Street, Bilston
West Midlands, WV14 7DS

Registered in England No. 3316088

bsi.

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

Mueller Europe Limited
Oxford Street
Bilston
WV14 7DS
United Kingdom

Holds Certificate Number: EMS 543672

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The manufacture of copper tube with or without low density polyethylene coating.

For and on behalf of BSI:

Matt Page, Managing Director Assurance - UK & Ireland

Original Registration Date: 2009-10-05
Latest Revision Date: 2024-05-03

Effective Date: 2024-05-25
Expiry Date: 2027-05-24

Page: 1 of 1

...making excellence a habit.™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated online.
Printed copies can be validated at www.bsigroup.com/ClientDirectory

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

CERTIFICATIONS & APPROVALS

YORKSHIRE COPPER TUBE

Ask for it by name

bsi.

Kitemark™ Certificate

This is to certify that:

Mueller Europe Limited
T/A Yorkshire Copper Tube
Oxford Street
Bilston
WV14 7DS
United Kingdom

Holds Certificate Number: KM 70734

In respect of:

BS EN 13348
Copper and copper alloys - Seamless, round copper tubes for medical gases or vacuum

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI: Shahm Barhom, Group Product Certification Director

First Issued: 2014-03-25
Latest Issue: 2024-06-12

Effective Date: 2024-06-13
Expiry Date: 2027-06-12

Page: 1 of 2

UKAS PRODUCT CERTIFICATION 0003

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated online.

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

CERTIFICATIONS & APPROVALS

YORKSHIRE COPPER TUBE

Ask for it by name

Kitemark™ Certificate

No. KM 70734

BS EN 13348:2016 - Copper and copper alloys. Seamless round copper tubes for medical gases or vacuum.

Diameter (mm)	Wall (mm)	Temper	Branding
12	0.6, 0.8	R250	YORKSHIRE
15	0.7, 1.0	R250	YORKSHIRE
22	0.9, 1.2	R250	YORKSHIRE
28	0.9, 1.2	R250	YORKSHIRE
35	1.2, 1.5	R290	YORKSHIRE
42	1.2, 1.5	R290	YORKSHIRE
54	1.2	R290	YORKSHIRE
66.7	1.2	R290	YORKSHIRE
76.1	1.5	R290	YORKSHIRE
108	1.5	R290	YORKSHIRE

Note: Additional product brand references may be included.

First Issued: 2014-03-25
Latest Issue: 2024-06-12

Effective Date: 2024-06-13
Expiry Date: 2027-06-12

Page: 2 of 2

YORKSHIRE COPPER TUBE

Yorkshire Refrigeration Tube Soft Product Assurance Certificate (ASTM B280)

This is to certify that **Yorkshire Copper Tube**, manufactured by our sister facility located in Al Hidd, Kingdom of Bahrain, an ISO 9001:2015, ISO 14001:2025 and ISO-45001:2018 certified manufacturing facility, produces Yorkshire Refrigeration Tube Soft products in accordance with **ASTM B280** dimensional specifications.

ASTM B280 Mechanical and Chemical Specifications:

- Copper Alloy Number: C12200
- Chemical Composition of Cu: 99.9% minimum
- Chemical Composition of P%:0.015 – 0.040%
- Temper: Soft Annealed, O60
- Tensile Strength: greater than > 205 MPa
- Elongation: greater than >40%
- Average Grain Size: 0.040 mm minimum

Yorkshire Refrigeration Service Coils ASTM B280					
OD		Wall Thickness		Weight	
inch	mm	inch	mm	lbs.	kg
1/4"	6.35	0.030	0.762	4.03	1.83
3/8"	9.53	0.032	0.813	6.69	3.03
1/2"	12.7	0.032	0.813	9.11	4.13
5/8"	15.88	0.035	0.889	12.53	5.68
3/4"	19.05	0.035	0.889	15.25	6.92
7/8"	22.23	0.045	1.143	22.75	10.32

Nominal ASTM B280 Dimensional Specifications:

**Above properties and dimensions are averages*

All Yorkshire Copper Tube products are manufactured under the company's **General Conditions of Sale**. In addition, the products are covered by a **limited 10-year product assurance**, subject to the following conditions:

- This product assurance does not cover normal wear and tear (please refer to the General Conditions of Sale).
- The assurance applies only to product defects directly attributable to the manufacturing process (please refer to the General Conditions of Sale).
- This product assurance is valid solely for HVAC/R applications, provided the product is installed correctly and in line with industry best practices. Incorrect installation, misuse, mishandling, or exploitation will automatically nullify this assurance.
- This product assurance does not cover chemical, exterior, or environmental corrosion of the product.
- Liability under this product assurance is limited strictly to the replacement of the affected product due to manufacturing defects. It does not extend to installation costs, consequential damages, or other associated expenses.

Yorkshire Copper Tube reserves the right to amend the terms of this limited product assurance from time to time. However, the terms in effect at the time of product installation shall apply.

Issued for the Year 2025

YORKSHIRE COPPER TUBE
OXFORD STREET
WEST MIDLANDS - WV14 7DS
UNITED KINGDOM
TEL: 0044 (0)1902 499700

MUELLER EUROPE LTD
OXFORD STREET, BILSTON, WEST MIDLANDS
TEL 01902 499700 FAX 01902 405838
www.yorkshirecopper.com
Registered in England No. 3316088 V.A.T. No. 687 834 963

YORKSHIRE COPPER TUBE

Yorkshire Refrigeration Tube Soft Product Assurance Certificate (ASTM B743)

This is to certify that **Yorkshire Copper Tube**, manufactured by our sister facility located in Al Hidd, Kingdom of Bahrain, an ISO 9001:2015, ISO 14001:2025 and ISO-45001:2018 certified manufacturing facility, produces Yorkshire Refrigeration Tube Soft products in accordance with **ASTM B743** dimensional specifications.

ASTM B743 Mechanical and Chemical Specifications:

- Copper Alloy Number: C12200
- Chemical Composition of Cu: 99.9% minimum
- Chemical Composition of P%:0.015 – 0.040%
- Temper: Soft Annealed, O60
- Tensile Strength: greater than > 205 MPa
- Elongation: greater than >40%
- Average Grain Size: 0.040 mm minimum

Yorkshire Refrigeration Service Coils ASTM B743					
OD		Wall Thickness		Weight	
inch	mm	inch	mm	lbs.	kg
1/4"	6.35	0.024	0.61	3.31	1.50
3/8"	9.53	0.024	0.61	5.14	2.33
1/2"	12.7	0.028	0.711	8.07	3.66
5/8"	15.88	0.028	0.711	10.21	4.63
3/4"	19.05	0.032	0.813	14.02	6.36
7/8"	22.23	0.040	1.02	20.38	9.24

Nominal ASTM B280 Dimensional Specifications:

**Above properties and dimensions are averages*

All Yorkshire Copper Tube products are manufactured under the company's **General Conditions of Sale**. In addition, the products are covered by a **limited 10-year product assurance**, subject to the following conditions:

- This product assurance does not cover normal wear and tear (please refer to the General Conditions of Sale).
- The assurance applies only to product defects directly attributable to the manufacturing process (please refer to the General Conditions of Sale).
- This product assurance is valid solely for HVAC/R applications, provided the product is installed correctly and in line with industry best practices. Incorrect installation, misuse, mishandling, or exploitation will automatically nullify this assurance.
- This product assurance does not cover chemical, exterior, or environmental corrosion of the product.
- Liability under this product assurance is limited strictly to the replacement of the affected product due to manufacturing defects. It does not extend to installation costs, consequential damages, or other associated expenses.

Yorkshire Copper Tube reserves the right to amend the terms of this limited product assurance from time to time. However, the terms in effect at the time of product installation shall apply.

Issued for the Year 2025

YORKSHIRE COPPER TUBE
OXFORD STREET
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www.yorkshirecopper.com
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DATE : _____

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DATE : _____

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DATE : _____

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