



COPMETAL CO. SINCE ESTABLISHED ,

IT HAS ACHIEVED STEADY GROWTH AND DEVELOPMENT BECAUSE WE WERE NOT AFRAID OF CHANGES AND CHALLENGES IN A RAPIDLY CHANGING ECONOMIC SITUATION.

○ WORK AREA

- PIPE & TUBE
- FITTING
- FLANGE

TEL 031-3441 5846

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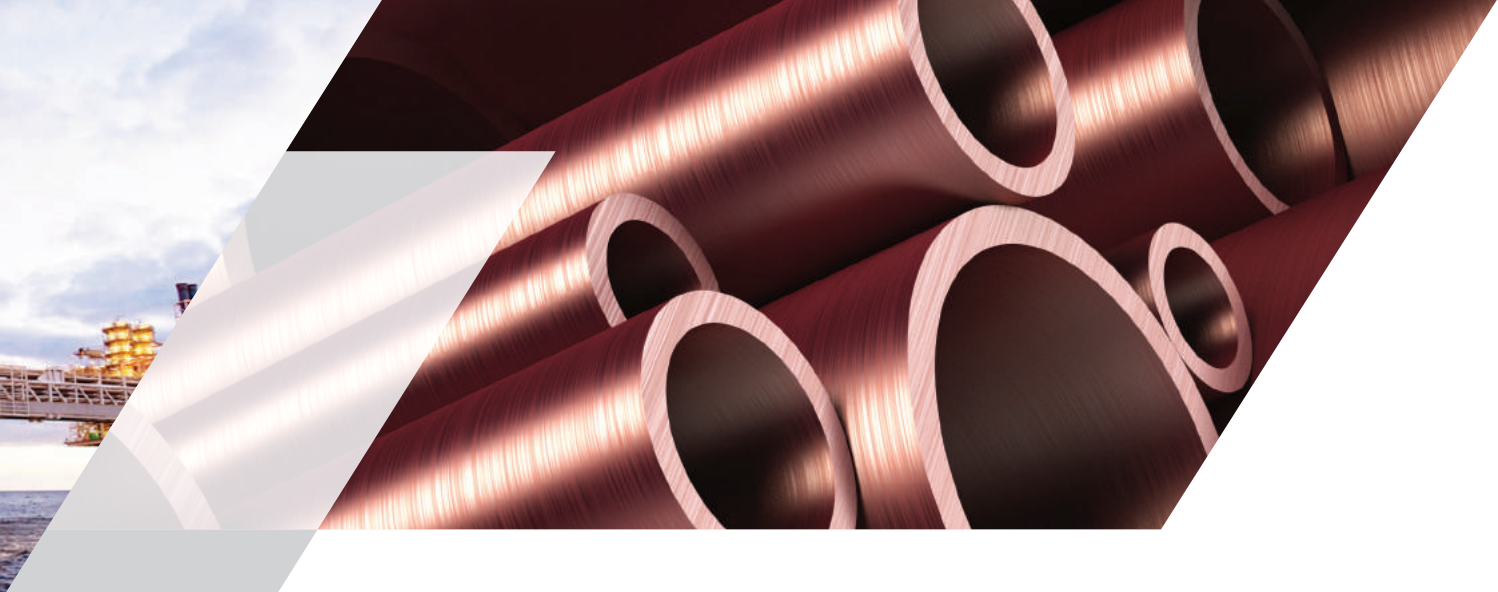
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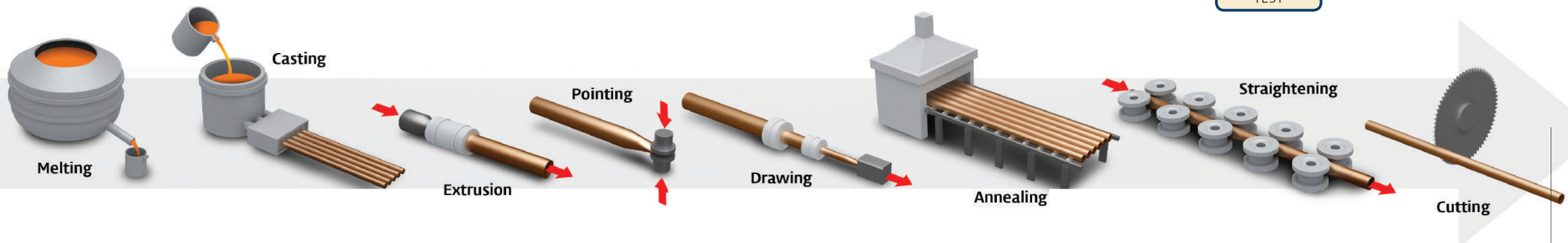
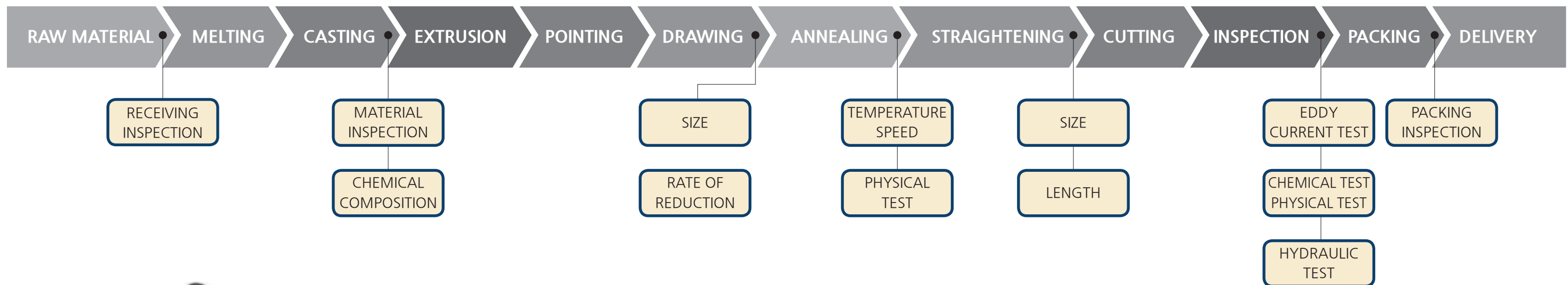
“
*We are ready to be
a new market leader.*”





Manufacturing Process

OUR MAIN PRODUCTS COPPER AND COPPER-ALLOY TUBES & PIPES ARE RECOGNIZED AS HAVING THE BEST QUALITY THROUGH CONDUCTING A STRICT EXAMINATION OF EACH PROCESSING. ALL EMPLOYEES ARE MAKING THEIR BEST EFFORTS TO IMPROVE BETTER QUALITY AND SERVICE.





Quality

High Quality Pipes

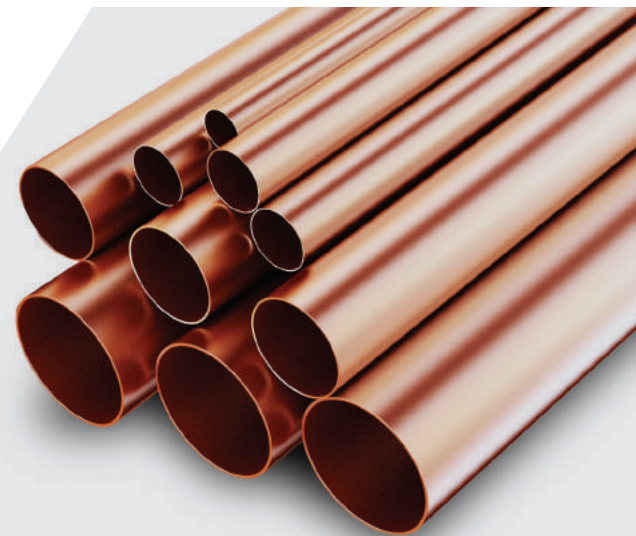
Copper and copper alloy pipes for industry are superior in thermal conductivity, corrosion resistance, physical properties and Mechanical properties.

These products are used in fields of Shipbuilding, Heat exchangers, Heating Coils, Desalination Plants, Petrochemistry Equipment and offshore Projects.

■ ISO9001, ABS, BV, DNV-GL, LR, ISO14001, OHSAS18001

Product List

- ▶ Copper Pipes
- ▶ Brass Pipes
- ▶ Admiralty Brass Pipe
- ▶ Al-Brass Pipes
- ▶ Copper Nickel Pipes
- ▶ Heat - Transfer Pipes
- ▶ Copper Bars
- ▶ etc.



Manufacturing Capacity of Seamless

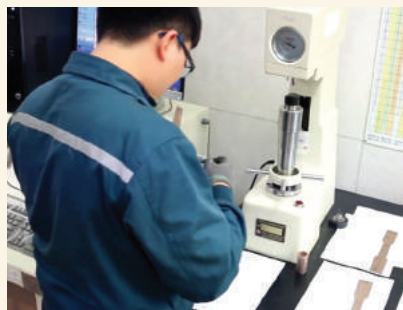
PRODUCT	O.D(MM)		THICKNESS(MM)	
	MAX	MIN	MAX	MIN
CUNI 90/10 PIPE C7060	368	6	12	0.6
CUNI 70/30 PIPE C7150	168	6.35	8	0.6
ADMIRALTY BRASS PIPE C4430	108	6.35	7	0.6
AL-BRASS PIPE C6870 C6871 C6872	108	6.35	5	0.6
BRASS PIPE C2600 C2700	108	10	5	1.0
COPPER PIPE C1100 C1220	160	6	11	0.6

* TEMPER : H, 1/2H, 1/4H, OL, O

* Limits for unnamed size may be established by agreement between manufacturer and purchaser

Manufacturing Capacity of Welded

PRODUCT	O.D(MM)		THICKNESS(MM)	
	MAX	MIN	MAX	MIN
CUNI 90/10	914	355.6	12	4



Production Item

Tube & Pipe Division

PRODUCTION	ALLOY NO.				
	JIS H3300	ASTM B466	BS2871(PART3)	AS1752	DIN
Copper Nickel (90/10) Tube/ Pipe	C7060T	C70600	CN102	C70600	DIN 17644 CuNi10FeMn 2.0872
Copper Nickel (70/30) Tube/ Pipe	C7150T	C71500	CN107	C71500	DIN 17644 CuNi30FeMn 2.0882
Admiralty Brass Tube/Pipe	C4430T	C44300	CZ111	-	
Aluminium Brass Tube/Pipe	C6870T C6871T C6872T	C68700	CZ110	C68700	-
Brass Tube/Pipe	C2600T	C26000	CZ126	-	DIN 17660
Copper Tube/Pipe	C1220T	C12200	C106	C12200	DIN 1786 SFCuF37

Production Capacity

DESCRIPTION	CAPACITY / MONTH	SIZE (OUT DIA)		REMARKS
		MIN	MAX	
Cu-Ni Tube/Pipe	300 TON	6mm	368mm	-
AL-Brass Tube/Pipe	50 TON	6.35mm	108mm	-
Brass Tube/Pipe	50 TON	10mm	108mm	-
Copper Tube/Pipe	100 TON	6mm	160mm	-
TOTAL	500 TON	-	-	-

※ Temper : H, 1/2H, 1/4H, OL, O

General Information of Pipes

Pipes - European Standard

MATERIAL : Cu-Ni 90/10, Cu-Ni 70/30 Seamless (1/8" ~ 14") & Seam Welded (16" and Over)

According to BS 2871 / 2872 Pt.2, EEMUA Pub. No.144

Outside diameter of pipe			10 bar		14 bar		16 bar		20 bar	
			Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight
Nominal	Actual									
Inch	Metric	(mm)	(mm)	(Kg/m)	(mm)	(Kg/m)	(mm)	(Kg/m)	(mm)	(Kg/m)
SEAMLESS										
1/8	-	10	1.0	0.26	1.0	0.26	1.0	0.26	1.0	0.26
1/4	-	12	1.0	0.31	1.0	0.31	1.0	0.31	1.0	0.31
3/8	10	16	1.0	0.42	1.0	0.42	2.0	0.79	2.0	0.79
1/2	15									
3/4	20	25	1.5	0.99	1.5	0.99	2.0	1.30	2.0	1.30
1	25	30	1.5	1.20	1.5	1.20	2.5	1.93	2.5	1.93
1 1/4	32	38	1.5	1.54	1.5	1.54	2.5	2.50	2.5	2.50
1 1/2	40	44.5	1.5	1.81	1.5	1.81	2.5	2.95	2.5	2.95
2	50	57	1.5	2.34	1.5	2.34	2.5	3.83	2.5	3.83
2 1/2	65	76.1	2.0	4.16	2.0	4.16	2.5	5.17	2.5	5.17
3	80	88.9	2.0	4.88	2.5	6.07	2.5	6.07	2.5	6.07
4	100	108	2.5	7.41	2.5	7.41	3.0	8.85	3.0	8.85
5	125	133	2.5	9.16	3.0	10.95	3.0	10.95	3.0	10.95
6	150	159	2.5	10.99	3.0	13.14	3.0	13.14	3.5	15.29
8	200	219.1	3.0	18.21	3.5	21.19	4.0	24.17	4.5	27.12
10	250	267	3.0	22.24	4.0	29.55	4.5	33.18	5.5	40.39
12	300	323.9	4.0	35.94	5.0	44.78	5.5	49.18	7.0	62.30
14	350	368	4.0	40.89	5.5	56.00	6.5	65.99	8.0	80.89
SEAM WELDED										
16	400	419.1	4.0	46.62	6.0	69.60	7.0	81.00	9.0	103.64
18	450	457.2	4.0	50.91	6.0	76.03	8.0	100.93	9.5	119.45
20	500	508	4.5	63.63	6.5	91.55	8.5	119.24	11.0	153.54
24	600	610	5.0	84.96	8.0	135.26	10.5	176.79	13.0	217.97
28	700	711	6.0	118.8	9.0	177.45	12.0	235.58	15.0	293.22
32	800	813	6.0	135.99	10.0	225.53	13.5	303.14	17.0	380.06
36	900	914	8.0	203.57	11.0	278.98	15.5	391.14	19.0	477.60

Fittings

CAPILLARY FITTINGS FOR CUPRO NICKEL & ALUMINUM BRASS PIPE



SIZE
1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"

MATERIAL
ASTM UNS C70600, EEMUA UNS 7060X
BS EN GR. CW352H, BS STD. CN102
DIN STD. 2.0872&2.1972
JIS STD. C7060

PRESSURE
ANSI 3000#, ANSI SCH. 10~160
DIN 6~40BAR, EEMUA 16~20BAR, JIS 5~10K

DESIGN
ANSI B16.11, EEMUA PUB No.146

APPLICATION
SHIPBUILDING, ON SHORE, OFF SHORE
SPECIAL SHIP, DESALINATION, POWER PLANT

MISCELLANEOUS FOR CUPRO NICKEL



SIZE
1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"

MATERIAL
ASTM UNS C70600, EEMUA UNS 7060X
BS EN GR. CW352H, BS STD. CN102
DIN STD. 2.0872&2.1972
JIS STD. C7060

PRESSURE
ANSI 3000#
EEMUA 16~20BAR

DESIGN
ANSI B16.11, EEMUA PUB No.146

APPLICATION
SHIPBUILDING, ON SHORE, OFF SHORE
SPECIAL SHIP, DESALINATION, POWER PLANT

SOCKET WELDING TYPE FITTINGS FOR COPPER & COPPER ALLOY



SIZE
1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"

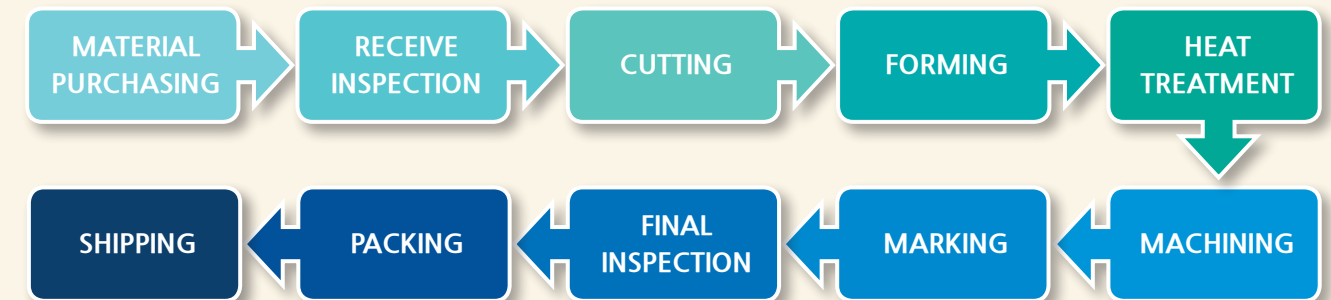
MATERIAL
ASTM UNS C70600, EEMUA UNS 7060X
BS EN GR. CW352H, BS STD. CN102
DIN STD. 2.0872&2.1972, JIS STD. C7060
ASTM UNS C12200, ASTM UNS C68700
ASTM UNS C83600, JIS STD. CAC 201&202

PRESSURE
ANSI 3000#, ANSI SCH. 10~160
DIN 6~40BAR, EEMUA 16~20BAR, JIS 5~10K

DESIGN
ANSI B16.11, EEMUA PUB No.146

APPLICATION
SHIPBUILDING, ON SHORE, OFF SHORE
SPECIAL SHIP, DESALINATION, POWER PLANT

Fitting Manufacturing Process



Flanges

COMPOSITE W/N TYPE FOR CUPRO NICKEL & ALUMINUM BRASS PIPE



SIZE
1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"
5", 6", 8", 10", 12", 14", 16", 18", 20", 22", 24", 28"

MATERIAL
ASTM UNS C70600, EEMUA UNS 7060X
BS EN GR. CW352H, BS STD. CN102
DIN STD. 2.0872&2.1972, JIS STD. C7060

PRESSURE
ANSI 150~300#, DIN 6~40BAR
EEMUA 16~20BAR, JIS 5~210K

DESIGN
ANSI B16.5, EEMUA PUB No.145
DIN 86033, JIS B2240

APPLICATION
SHIPBUILDING, ON SHORE, OFF SHORE
SPECIAL SHIP, DESALINATION, POWER PLANT

SOLID W/N, S/W, S/O TYPE FLANGES FOR CUPRO NICKEL



SIZE
1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"
5", 6", 8", 10", 12", 14", 16", 18", 20", 22", 24", 28"

MATERIAL
ASTM UNS C70600, EEMUA UNS 7060X
BS EN GR. CW352H, BS STD. CN102
DIN STD. 2.0872&2.1972, JIS STD. C7060

PRESSURE
DIN 6~40BAR
EEMUA 16~20BAR, JIS 5~16K

DESIGN
EEMUA PUB No.145, DIN 86037, JIS F7804

APPLICATION
SHIPBUILDING, ON SHORE, OFF SHORE
SPECIAL SHIP, DESALINATION, POWER PLANT

COMPOSITE S/W FLANGES FOR COPPER & COPPER ALLOY PIPE



SIZE
2", 2.1/2", 3", 4"

MATERIAL
ASTM UNS C12200, ASTM UNS C68700
ASTM UNS C83600
JIS STD. CAC 201&202

PRESSURE
DIN 6~40BAR, EEMUA 16~20BAR
JIS 5~16K

DESIGN
EEMUA PUB No.145
DIN 86037, JIS F7804

APPLICATION
SHIPBUILDING, ON SHORE, OFF SHORE
SPECIAL SHIP, DESALINATION, POWER PLANT

Flange Manufacturing Process

