MHT TECHNOLOGY PVT. LTD.

An ISO 9001:2008 Certified Company

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JAS-ANZ
An ISO 9001:2008 Certified

IAF

MHT A Reputed Name In Refrigeration And

Air-Conditioning, Quality Copper Tubings And Capillary Tubings.

MHT Total Quality Solution for Your Copper Fittings.

We Manufacture,

- **COPPER FITTINGS** – For your Refrigeration, Aircon, Central- Aircon, HVAC, Cooling Coils, Condensing Units and for Plumbing, Sanitation systems, Shipbuilding, Medical Gas Piping (EN-1057), Natural Gas Piping,etc.

- **MHT STRAINERS, PENCIL TYPE DRIERS** - For your Air-conditioners, Refrigerators, Water-Coolers, Deep- Freezers, VISI- Coolers, etc.

- **ACCUMULATORS / HEADERS / MUFFLERS / RESERVOIRS / RECEIVERS / OIL SEPARATORS &** All kinds of **COPPER TUBULAR PRODUCTS** for your Central Air-conditioning, HVAC , Refrigeration & all related engineering needs.

- We supply/trade all types of **BRASS FLARE FITTING REFRIGERATION & AIRCONDITIONING PARTS**.

COPPER ELBOWS

ELBOWS – 90º & 45º;long/short; 1/4" to 5.1/8", 6mm to 150mm

COUPLING – 1/4" to 5.1/8", 6mm to 150mm

COPPER COUPLINGS

COPPER REDUCER COUPLINGS

REDUCING COUPLING – 1/4" to 5.1/8", 6mm to 150mm

EQUAL & UNEQUAL TEE – 1/4" to 4.1/8", 6mm to 150mm

.

COPPER TEE

COPPER U-BENDS

**U BEND – 1/4" to 2.1/8".
S BEND, C BENDS: As required**

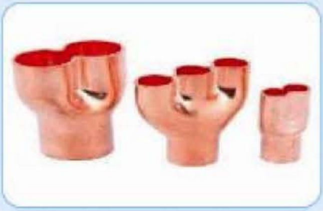
COPPER STRAINERS / FILTERS & DRIERS

VIJAYSTRAINERS & PENCIL TYPE DRIERS- 5Grms -50 Grms

COPPER CAPILLARY TUBINGS-

COPPER PIPES & TUBES- COIL AND STRAIGHT FORM

REDUCERS – Double Reducers – Multi Reducers (VRF/YRF)



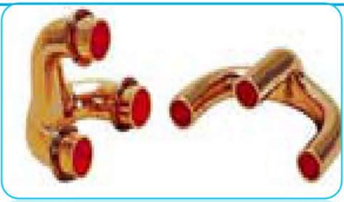
COPPER ACCUMULATORS & HEADERS

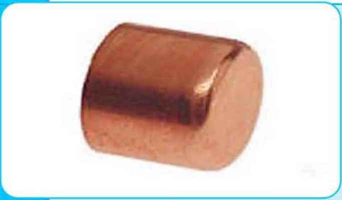
ACCUMULATORS & HEADERS – TAILOR MADE AS PER YOUR REQUIREMENT.

BRASS FLARE FITTING

BRASS FLARE FITTING REFRIGERATION & AIRCONDITIONING PARTS

TRIPOD – 7mm, 8mm & 3/8".





END CAPS -3/8" to 3.1/8"

BRAZING ROD –
- **HARRIS '0' BRAND (MADE IN USA)**
- **IMPORTED BRAZING ROD.**
- **INDIAN BRAZING ROD**

BRAZING ALLOYS
HARRIS

SILVER BRAZING ALLOYS – 2%, 5%, 14%, 30%, 35% & 43%

ADMIRALTY & ALUMINIUM BRASS

Product Range:

(Seamless tube and pipes)

- Outside diameter :5.0mm (min) - 219mm (max)
- Wall thickness :0.5mm (min)
- Length :15mtr (max) in Straight

Chemical Composition

Classification	Class	Chemical Composition(%)											Related Standards					
		Cu	Zn	Pb	Fe	P	Sn	Ni	Mn	Al	As	Other	ISS	KS	JIS	ASTM	BS	DIN
Admiralty Brass	1	70.0-73.0	rem.	0.07 max	0.06 max	-	0.9-1.2	-	-	-	0.02-0.08	-	CuZn28Sn	D5301 C4430	H3300 C4430	B111 C44300	2871 CZ111	1785 CuZn28Sn
	2	70.0-73.0	rem.	0.07 max	0.06 max	-	0.9-1.2	-	-	-	-	Anti 0.02-0.10	-	-	-	-	-	-
	3	70.0-73.0	rem.	0.07 max	0.06 max	0.02-0.10	0.9-1.2	-	-	-	-	-	-	-	-	C44500		
Aluminum Brass	1	76.0-79.0	rem.	0.07 max	0.06 max	-	-	-	-	1.8-2.5	0.02-0.10	-	CuZn20Al	D5301 C6870	H3300 C6870	B111 C68700	2871 CZ110	1785 CuZn20Al
	2	76.0-79.0	rem.	0.05 max	0.05 max	-	-	-	-	1.8-2.5	0.02-0.06	Si 0.2-0.5	CuZn20Al	C6871	C6871	C68700	CZ110	CuZn20Al
	3	76.0-79.0	rem.	0.05 max	0.05 max	-	-	0.20-1.0	-	1.8-2.5	0.02-0.06	-	CuZn20Al	C6872	C6872	C68700	CZ110	CuZn20Al

Mechanical Properties

Classification	Temper	Designation	Tensile test				
			Outside diameter (mm)	Thickness (mm)	Tensile Strength Kgf/mm²	Elonation (%)	Yield Strength (kg/mm²)
Admiralty Brass	061	C4430T-0 C4431 TS-0	5mm and over upto and incl 250mm	0.8mm and over upto and incl 10mm	32min	30min	11min
Aluminum Brass	061	C6870T-0 C6870TS-0	5mm and over upto and incl 50mm	0.8mm and over upto and incl 10mm	36min	40min	13min
		C6871T-0 C6871TS-0 C6872T-0	over 50mm upto and incl 250mm	0.8mm and over upto and incl 10mm	36min	40min	13min
		C6872TS-0					

Application

C44300 Admiralty Brass Tube Evaporators, Condensate Coolers, Heaters, Vent Condensers, Water Heaters, Generator, Air Coolers, Turbine Oil Coolers for Petrochemical, Ship-building, Power plants and Desalinations plants.

C68700 Aluminum Brass Tube Steam Ejector Inter and After Condensers, Gland Steam Condensers,
Feed Water Evaporators for Petrochemical, Ship-building, Power plants and Desalinations plants.

MHT TECHNOLOGY PVT LTD

ER TUBES

Product Range:

- **Outside Diameter** **:3.0mm (min) - 219mm (max)**
- **Wall thickness** **:0.3mm (min)**
- **Length** **: 15mtr(max) in Straight**

: 150mtr (max) in Coil

Subject to O. D. & W. T.

Chemical Composition

Classification	Class	Chemical Composition(%)											Related Standards					
		Cu	Zn	Pb	Fe	P	Sn	Ni	Mn	Al	As	Other	ISS	KS	JIS	ASTM	BS	DIN
Tough Pitch Copper	1	99.9 min											ETP	D 5301 C 1100	H 3300 C 1100	B 188 C 11000	2871 C 101 C 102	1787 ECU58 ECU57
Phosphorus Deoxidized Copper	Low Residual	99.9 min				0.004-0.012							DLP	D 5301 C1201	H 3300 C1201	B 75 C12000	2871 C 106	1787 SW-CU
	High Residual	99.9 min				0.015-0.040							DHP	C 1220	C 1220	C12200	C 106	SF-CU
Phosphorus Deoxidized Arsenic Copper	High Residual	99.4 min				0.015-0.040					0.15-0.50		DPA	C1420	C1420	C14200	C107	CuAsp

Mechanical Properties

Classification	Temper	Designation	Tensile test					Hardness test	
			Outside diameter (mm)	Thickness (mm)	Tensile Strength Kgf/mm²	Elonation (%)	Thickness (mm)	Rockwell Hardness	
								HR30T	HR15T
Tough Pitch Copper	0	C11000	5-150	0.5-30	26max	25min	-	50max	-
	1/2H		5-150	0.5-25	-	-	-	-	-
	H		5-100	0.5-6	23-28min	3-20min	-	65-80min	-
Phosphorus Deoxidized Copper	0	C12000	4-150	0.3-30	21min	40min	0.4min	-	60max
	OL		4-150	0.3-30	21min	40min	0.4min	-	60max
	1/2H		4-150	0.3-25	25-33	-	-	30-60	-
	H	C12200	4-150	0.3-6	32min	-	-	55min	-
Phosphorus Deoxidised	0	C14200	4-150	-	21min	-	-	-	-
	1/2H		4-150	-	25-33	-	-	-	-
Arsenic Copper	H		4-150	0.3-6	32min	-	-	55min	-

Application

Copper: Air Conditioner, Gas, Heater & Oil Lines, Brewery Tubes, Steam and Water Lines, Evaporator and Heat Exchanger Tubes.

BRASS TUBES

Product Range:

- Outside Diameter :3.0mm (min) - 219mm (max)
- Wall thickness :0.3mm (min)
- Length :15mtr(max) in Straight

Chemical Composition

Classification	Class	Chemical Composition(%)											Related Standards					
		Cu	Zn	Pb	Fe	P	Sn	Ni	Mn	Al	As	Other	ISS	KS	JIS	ASTM	BS	DIN
Brass	1	68.5-71.5	rem.	0.07 max	0.05 max								IS407 CuZn30	D 5301 C2600	H 3300 C2600	B 135 C26000	2871 Cz126	17660 Cuzn30
	2	62.65 68.5	rem.	5 0.10 max	0.07 max								IS407 CuZn37	C 2700	C 2700	C27000	C2108	Cuzn37
	3	59.0-63.0	rem.	0.30 max	0.07 max									C 2800	C 2800	C28000	Cz119	Cuzn40

Mechanical Properties

Brass		Cu Alloy UNS No.	Tensile test				Hardness test	
			Outside diameter (mm)	Wall Thickness in (mm)	Tensile Strength MPa(Kgf/mm²)	Thickness (mm)	Rockwell Hardness	
							Scale 30T	Scale F
Soft Anneal	O	C 26000	-	-	-	upto & incl 0.80mm over 0.80mm	40max -	- 80max
Light Anneal	OL	C 26000	-	-	-	upto & incl 0.80mm over 0.80mm	60max -	- 90max
Drawn, Stress Relieved	1/2H	C26000	All	All	370(38)	All	53min	-
Hard Drawn	H	C26000	upto 25mm over 25mm to 50mm over 50mm to 100mm	0.50 to 3.00mm 0.90 to 5.00mm 1.50 to 6.00mm	455(47) 455(47) 455(47)		70min 70min 70min	- - -
Soft Anneal	O	C27000	-	-	-	upto 0.80mm over 0.80mm	40max -	- 80max
Light Anneal	OL	C27000	-	-	-	upto 0.80mm over 0.80mm	60max -	- 90max
Drawn, Stress Relieved	1/2H	C2700	All	All	370(38)	All	53min	-
Hard Drawn	H	C2700	upto 25mm over 25mm to 50mm over 50mm to 5000mm	0.50 to 3.0mm 0.90 to 5.00mm 1.5 to 6.00mm	455(47) 455(47) 455(47)	- - -	70max 70max 70max	- - -
Light Anneal	OL	C28000	-	-	-	upto & incl 0.80mm over 0.80mm	60max -	- 90max
Drawn, Stress Relieved	1/2H	C28000	All	All	370(38)	-	55min	-

Application

Brass: Radiator, Pump, Power Cylinder and Liner, Plumbing Accessories, Furniture, Handicrafts, Jewellery ect.

CUPRO NICKEL TUBES

Product Items:
(Seamless Straight tube and pipes)

- C70400 (Cu-Ni 95:05)
- C70600 (Cu-Ni 90:10) Seamless
- C71500 (Cu-Ni 70:30)

Product Range:
(Seamless tube and pipes)

● Outside diameter	:5.0mm (min) - 219mm (max)
● Wall thickness	:0.5mm (min)
● Length	:15mtr (max) in Straight 150mtr (max) in Coil Subject to O. D. & W. T.

Chemical Composition

Classification	Class	Chemical Composition(%)											Related Standards					
		Cu	Zn	Pb	Fe	P	Sn	Ni	Mn	Al	As	Other	ISS	KS	JIS	ASTM	BS	DIN
Cu-Ni Tube	1	rem.	1.00 max	0.05 max	1.3-1.7	-	-	4.8-6.2	0.3-0.8	-	-		IS:1545 CuNi5Fe	D 5301 C 7040	CuNi95+5 7040	B 111 C70400	2871 CN101	1785 CuNi5Fe
	2	rem.	1.00 max	0.05 max	1.0-1.8	-	-	9.0-11.0	1.0 max	-	-		IS:1545 CuNi10Fe1	C 7060	CuNi90:10C 7060	C 70600	CN102	CuNi10Fe
	3	rem.	0.05 max	0.05 max	0.40-1.0	-	-	29.0-33.0	1.0 max	-	-	-	IS:1545 CuNi30Fe	C 7150	CuNi70:30C 7150	C 71500	Cn107	CuNi30Fe

Also can manufacture copper nickel piping for off shore application as per EEMUA

Mechanical Properties

Classification	Temper	Designation	Cu Alloy UNS No.	Tensile test				
				Outside diameter (mm)	Thickness (mm)	Tensile Strength Kgf/mm²	Elonation (%)	Yield Strength (kg/mm²)
Copper Nickel Tube	061	Annealed	C70400	5-250mm	0.8-10	27(260)	-	9(85)
	H55	Light Drawn	C70400	5-250mm	0.8-10	28(275)	-	21(205)
	061	Annealed	C70600	5-250mm	0.8-10	28(275)	-	11(105)
	H55	Light Drawn	C70600	5-250mm	0.8-10	32(310)	-	25(240)
	061	Annealed	C71500	5-250mm	0.8-10	37(360)	-	13(125)
	HR50	Drawn, Stress Relieved	C71500	5-50mm	0.8-1.21	51(495)	12	36(345)
	HR50	Drawn, Stress Relieved	C71500	5-50mm	1.22-10	51(496)	15	36(345)

Application

Condenser, Evaporator and Heat exchanger tubes, Saltwater piping, Distillation plants for Petrochemical, Ship-building, Power plants and Desalination plants etc.

MHT TECHNOLOGY PVT LTD