

Your **Genuine, Trustworthy,**
Reliable partner



HANSAE

CU-NI

AL-BRASS

COPPER PIPE



Greeting

Your **Genuine,**
Trustworthy, Reliable partner

YOUR BEST BUSINESS PARTNER.

HANSAE CO.,LTD. SINCE ESTABLISHED IN 2004,

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

WE ALWAYS ENDEAVOR TO PLEASE OUR CUSTOMERS THROUGH OUR CONSTANT INVESTMENT IN EQUIPMENT AND TECHNOLOGY, R&D, PERFECT QUALITY, BEST SERVICE UPON STRICT QUALITY CONTROL SYSTEMS, AND ON-TIME DELIVERY. OUR MAIN PRODUCTS COPPER AND COPPER-ALLOY TUBES & PIPES ARE EXCELLENT IN THERMAL CONDUCTIVITY, CORROSION RESISTANCE, INSULATING, PHYSICAL PROPERTIES AND MECHANICAL PROPERTIES. THOSE PRODUCTS ARE WIDELY USED IN VARIOUS INDUSTRY FIELDS, SUCH AS SHIP-BUILDING, OIL REFINERIES, MARINE INDUSTRY, PETROCHEMICAL INDUSTRY, DESALINATION PLANTS ETC. WE ARE CONFIDENT THAT OUR HIGH QUALITY PRODUCTS WILL MEET YOUR EXPECTATION.

WE, HANSAE CO.,LTD. ALWAYS DO OUR BEST TO MAKE YOU SATISFIED WITH GOOD QUALITY AND SERVICE. THANK YOU.

All level of staff

Quality

High Quality HANSAE 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.

Production Item Tube & Pipe Division

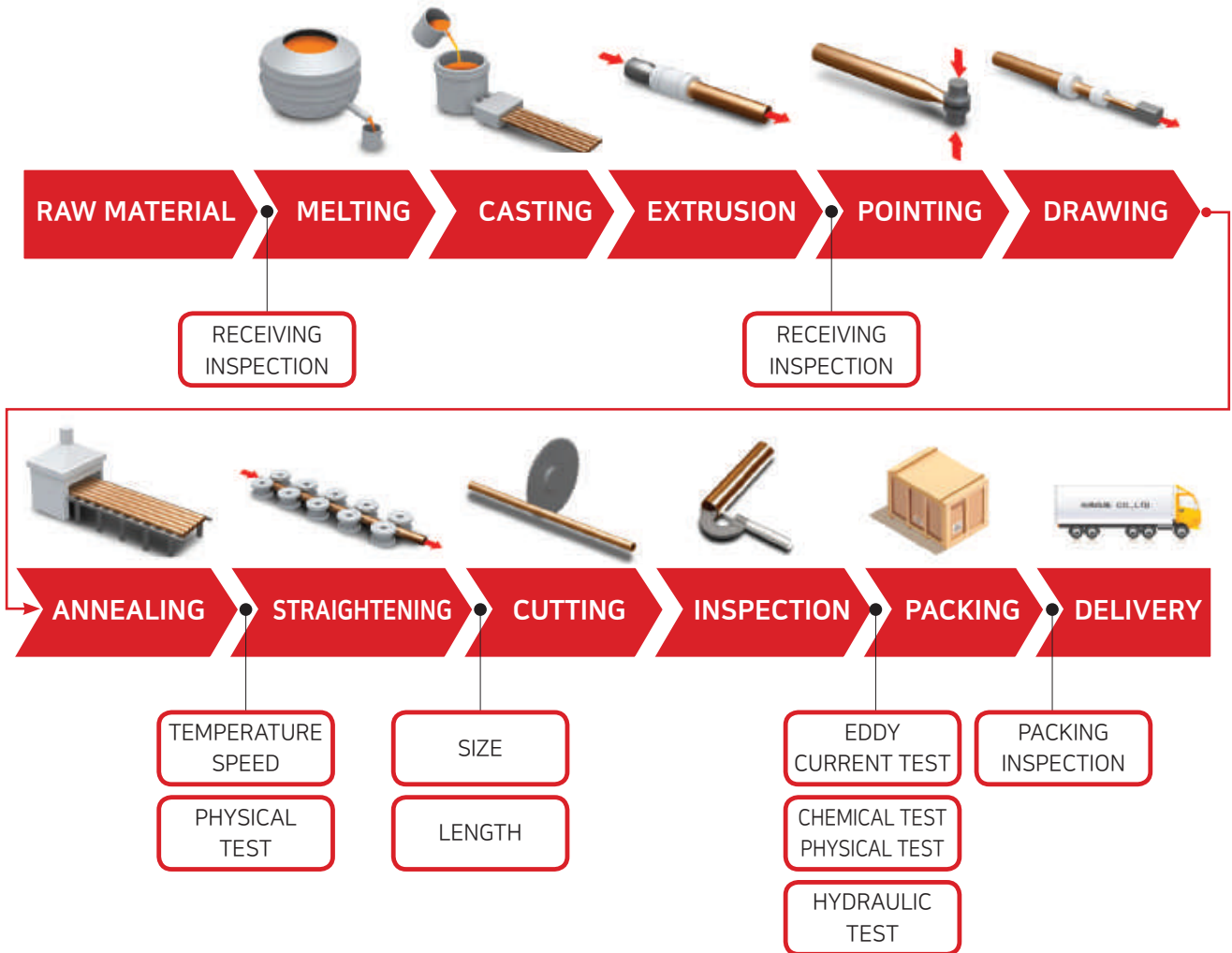
PRODUCTION	ALLOY NO.				
	JIS H3300	ASTM B466	BS2871(PART3)	AS1752	DIN
Copper Nickel (90/10) Tube/Pipe	C7060T	C70600	CN102	C70600	DIN 17644 CuNi10FeMn 2.0872
Copper Nickel (70/30) Tube/Pipe	C7150T	C71500	CN107	C71500	DIN 17644 CuNi30FeMn 2.0882
Admiralty Brass Tube/Pipe	C4430T	C44300	CZ111	-	
Aluminium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

Manufacturing Capacity

PRODUCT	O.D(MM)		THICKNESS(MM)	
	MAX	MIN	MAX	MIN
CUNI 90/10 PIPE C7060	914	6	12	0.6
CUNI 70/30 PIPE C7150	168	6.35	8	0.6
CUNI 85/15 PIPE C7220	80	10	6	1.0
ADMIRALTY BRASS PIPE C4430	108	6.35	7	0.6
AL-BRASS PIPE C6870 C6871 C6872	108	6.35	5	0.6
COPPER PIPE C1100 C1200 C1220	160	6	11	0.6

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 OF HANSAE ARE MAKING THEIR BEST EFFORTS TO IMPROVE BETTER QUALITY AND SERVICE.



Certificate



ISO9001

ISO14001

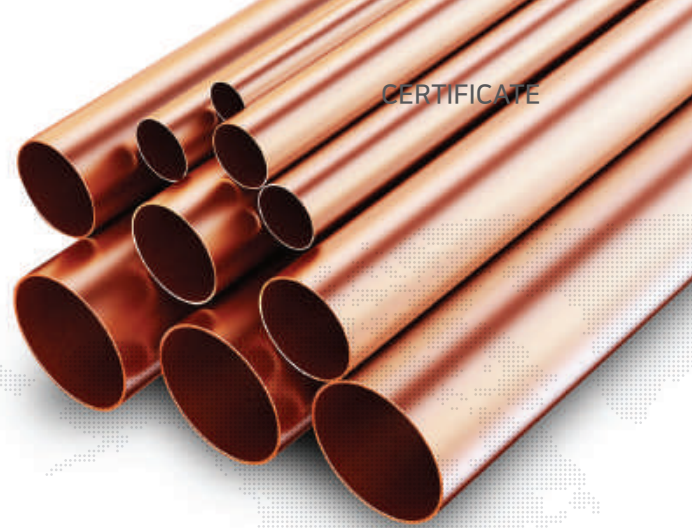
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ABS(MA)

CE PED

Products

- COPPER & COPPER NICKEL PIPE, FITTING & FLANGE
- BRASS TUBE
- ADMIRALTY BRASS TUBE
- AL- BRASS TUBE
- LOW FIN TUBE
- LWC
- PLATE
- ROUND BAR



Applications



1. FPSO



2. Shipbuilding



3. Fixed platform



4. Cruise Ship



5. Heat exchanger



6. Mega yacht



7. Naval



8. Desalination plants



ABS



BV



DNV-GL



RMRS



LR

Products of **HANSAE**

HANSAE, as a global leader in the field of non-ferrous metals, has been striving to develop innovative technology by thorough quality control. Hansae keeps tracking and chasing all of the necessary standards and regulations of HSE to secure its product and service quality.



General Information of Pipes

Pipes - European Standard

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

According to EEMUA Pub. No.234

Outside diameter of pipe			10 bar		14 bar		16 bar		20 bar	
Nominal		Actual	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight	Wall thickness	Weight
Inch	Metric	(mm)	(mm)	(Kg/m)	(mm)	(Kg/m)	(mm)	(Kg/m)	(mm)	(Kg/m)
SEAMLESS										
1/2	15	16.0	1.0	0.42	1.0	0.42	2.0	0.79	2.0	0.79
3/4	20	25.0	1.5	0.99	1.5	0.99	2.0	1.30	2.0	1.30
1	25	30.0	1.5	1.20	1.5	1.20	2.5	1.93	2.5	1.93
1 1/4	32	38.0	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	57.0	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	108.0	2.5	7.41	2.5	7.41	3.0	8.85	3.0	8.85
5	125	133.0	2.5	9.16	3.0	10.95	3.0	10.95	3.0	10.95
6	150	159.0	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	267.0	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	368.0	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	508.0	4.5	63.63	6.5	91.55	8.5	119.24	11.0	153.54
24	600	610.0	5.0	84.96	8.0	135.26	10.5	176.79	13.0	217.97
28	700	711.0	6.0	118.8	9.0	177.45	12.0	235.58	15.0	293.22
32	800	813.0	6.0	135.99	10.0	225.53	13.5	303.14	17.0	380.06
36	900	914.0	8.0	203.57	11.0	278.98	15.5	391.14	19.0	477.60

General Information of Pipes

Pipes - U.S Standard

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

According to ASME B36.19M UNS C70600 (90/10), UNS C71500 (70/30)

Outside diameter of pipe			Schedule 5S				Schedule 10S			
			Wall thickness		Theoretical Weight		Wall thickness		Theoretical Weight	
Nominal	Actual	Actual	Actual				Actual			
Inch	Inch	(mm)	Inch	mm	LB / Ft	Kg / m	Inch	mm	LB / Ft	Kg / m
SEAMLESS										
1/8	0.405	10.29	-	-	-	-	0.049	1.24	0.21	0.32
1/4	0.540	13.72	-	-	-	-	0.065	1.65	0.37	0.55
3/8	0.675	17.15	-	-	-	-	0.065	1.65	0.47	0.71
1/2	0.840	21.34	0.065	1.65	0.61	0.90	0.083	2.11	0.76	1.13
3/4	1.050	26.67	0.065	1.65	0.78	1.16	0.083	2.11	0.97	1.45
1	1.315	33.40	0.065	1.65	0.98	1.47	0.109	2.77	1.58	2.36
1 1/4	1.660	42.16	0.065	1.65	1.25	1.86	0.109	2.77	2.05	3.05
1 1/2	1.900	48.27	0.065	1.65	1.45	2.16	0.109	2.77	2.36	3.51
2	2.375	60.32	0.065	1.65	1.82	2.71	0.109	2.77	2.98	4.44
2 1/2	2.875	73.03	0.083	2.11	2.80	4.17	0.120	3.05	3.99	5.94
3	3.500	88.90	0.083	2.11	3.42	5.10	0.120	3.05	4.89	7.29
3 1/2	4.000	101.60	0.083	2.11	3.93	5.85	0.120	3.05	5.62	8.36
4	4.500	114.30	0.083	2.11	4.43	6.60	0.120	3.05	6.34	9.45
5	5.563	141.30	0.109	2.77	7.19	10.70	0.134	3.40	8.78	13.07
6	6.625	168.30	0.109	2.77	8.59	12.79	0.134	3.40	10.50	15.64
8	8.625	219.10	0.109	2.77	11.22	16.71	0.148	3.76	15.14	22.55
10	10.750	273.05	0.134	3.40	17.16	25.57	0.165	4.19	21.07	31.39
12	12.750	323.90	0.156	3.96	23.71	35.31	0.180	4.57	27.31	40.68

General Information of Pipes

Pipes - U.S. Standard

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

According to ASME B36.19M UNS C70600 (90/10), UNS C71500 (70/30)

Outside diameter of pipe			Schedule 40S				Schedule 80S			
			Wall thickness		Theoretical Weight		Wall thickness		Theoretical Weight	
Nominal	Actual	Actual	Actual				Actual			
Inch	Inch	(mm)	Inch	mm	LB / Ft	Kg / m	Inch	mm	LB / Ft	Kg / m
SEAMLESS										
1/8	0.405	10.29	0.068	1.73	0.27	0.42	0.095	2.41	0.35	0.53
1/4	0.540	13.72	0.088	2.24	0.47	0.71	0.119	3.02	0.61	0.90
3/8	0.675	17.15	0.091	2.31	0.64	0.95	0.126	3.20	0.84	1.24
1/2	0.840	21.34	0.109	2.77	0.96	1.44	0.147	3.73	1.23	1.83
3/4	1.050	26.67	0.113	2.87	1.28	1.91	0.154	3.91	1.66	2.49
1	1.315	33.40	0.133	3.38	1.90	2.83	0.179	4.55	2.45	3.66
1 1/4	1.660	42.16	0.140	3.56	2.57	3.83	0.191	4.85	3.39	5.05
1 1/2	1.900	48.27	0.145	3.68	3.07	4.58	0.200	5.08	4.10	6.11
2	2.375	60.32	0.154	3.91	4.12	6.15	0.218	5.54	5.67	8.45
2 1/2	2.875	73.03	0.203	5.16	6.54	9.75	0.276	7.01	8.66	12.89
3	3.500	88.90	0.216	5.49	8.57	12.76	0.300	7.62	11.58	17.26
3 1/2	4.000	101.60	0.226	5.74	10.28	15.33	0.318	8.08	14.14	21.05
4	4.500	114.30	0.237	6.02	12.19	18.16	0.337	8.56	16.93	25.22
5	5.563	141.30	0.258	6.55	16.52	24.60	0.375	9.53	23.48	35.00
6	6.625	168.30	0.280	7.11	21.44	31.93	0.432	10.97	32.28	48.06
8	8.625	219.10	0.322	8.18	32.26	48.08	0.500	12.70	49.03	73.04
10	10.750	273.05	0.365	9.27	45.74	68.15	0.500	12.70	61.86	108.49
12	12.750	323.90	0.375	9.53	56.00	83.48	0.500	12.70	73.92	149.25

General Information of Pipes

Pipes - U.S Standard

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

According to ASME B466 & B467 UNS C70600 (90/10), UNS C71500 (70/30)

Outside diameter of pipe			Wall thickness		Theoretical Weight	
Nominal Inch	Actual Inch	Actual(mm)	Actual Inch	Actual(mm)	LB / Ft	Kg / m
SEAMLESS						
1/8	0.4	10.3	0.058	1.47	0.24	0.36
1/4	0.5	13.7	0.065	1.65	0.38	0.56
3/8	0.7	17.2	0.065	1.65	0.48	0.72
1/2	0.8	21.3	0.065	1.65	0.61	0.91
3/4	1.1	26.7	0.065	1.65	0.78	1.16
1	1.3	33.4	0.065	1.65	0.99	1.47
1 1/4	1.7	42.2	0.072	1.83	1.39	2.07
1 1/2	1.9	48.3	0.072	1.83	1.6	2.39
2	2.4	60.3	0.083	2.11	2.32	3.45
2 1/2	2.9	73.0	0.083	2.11	2.82	4.20
3	3.5	88.9	0.095	2.41	3.93	5.85
3 1/2	4.0	101.6	0.095	2.41	4.51	6.71
4	4.5	114.3	0.109	2.77	5.83	8.68
5	5.6	141.3	0.125	3.18	8.29	12.34
6	6.6	168.3	0.134	3.40	10.58	15.75
8	8.6	219.1	0.134	3.40	13.83	20.59
10	10.8	273.1	0.134	3.40	17.29	25.74
12	12.8	323.9	0.156	3.96	23.90	35.58
14	14.0	355.6	0.165	4.19	27.78	41.35
SEAM WELDED						
16	16.0	406.4	0.165	4.19	31.80	47.33
18	18.0	457.2	0.180	4.57	39.03	58.1
20	20.0	508.0	0.180	4.57	43.41	64.62
24	24.0	609.6	0.180	4.57	52.17	77.66
30	30.0	762.0	0.250	6.35	90.54	134.77

General Information of Pipes

Pipes - U.S NAVY Standard

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

According to MIL-T-16420K ALLOY C70600 (90/10), C71500 (70/30)

Outside diameter of pipe			CLASS 200				CLASS 700			
Nominal	Actual	Actual	Wall thickness		Theoretical		Wall thickness		Theoretical	
			Actual		Weight		Actual		Weight	
Inch	Inch	(mm)	Inch	mm	LB / Ft	Kg / m	Inch	mm	LB / Ft	Kg / m
SEAMLESS										
-	0.250	6.35	0.035	0.89	0.09	0.14	-	-	-	-
-	0.500	12.70	0.035	0.89	0.20	0.29	0.065	1.65	0.34	0.54
1/4	0.540	13.72	0.065	1.65	0.38	0.56	0.065	1.65	0.38	0.56
3/8	0.675	17.15	0.065	1.65	0.48	0.72	0.072	1.83	0.53	0.79
1/2	0.840	21.34	0.065	1.65	0.61	0.91	0.072	1.83	0.67	1.00
3/4	1.050	26.67	0.065	1.65	0.75	1.16	0.083	2.11	0.98	1.45
1	1.315	33.40	0.065	1.65	0.99	1.47	0.095	2.41	1.41	2.10
1 1/4	1.660	42.16	0.072	1.83	1.39	2.07	0.095	2.41	1.81	2.69
1 1/2	1.900	48.27	0.072	1.83	1.60	2.39	0.109	2.77	2.38	3.54
2	2.375	60.32	0.083	2.11	2.32	3.45	0.120	3.05	3.30	4.91
2 1/2	2.875	73.03	0.083	2.11	2.82	4.20	0.134	3.40	4.47	6.65
3	3.500	88.90	0.095	2.41	3.93	5.85	0.165	4.19	6.70	9.97
3 1/2	4.000	101.60	0.095	2.41	4.51	6.71	0.180	4.57	8.37	12.45
4	4.500	114.30	0.109	2.77	5.83	8.68	0.203	5.15	10.61	15.78
-	5.000	127.00	0.120	3.05	7.14	10.62	0.203	5.15	11.84	17.62
5	5.563	141.30	0.125	3.18	8.29	12.34	0.220	5.59	14.32	21.30
6	6.625	168.30	0.134	3.40	10.58	15.75	0.259	6.58	20.08	29.89
-	7.630	193.70	0.134	3.40	12.21	18.17	0.284	7.21	25.38	37.76
8	8.625	219.10	0.148	3.76	15.28	22.74	0.340	8.64	34.32	51.07
-	9.630	244.48	0.187	4.75	21.49	31.98	0.340	8.64	38.46	57.23
10	10.750	273.05	0.187	4.75	24.05	35.79	0.380	9.65	47.96	71.37
12	12.750	323.90	0.250	6.35	38.05	56.63	0.454	11.53	67.97	101.15
-	-	-	CLASS 50				CLASS 700			
14	14.000	355.60	0.165	4.19	27.78	41.35	0.473	12.01	77.90	115.87
SEAM WELDED										
-	15.000	381.00	-	-	-	-	0.503	12.77	88.80	132.04
16	16.000	406.40	0.165	4.19	31.80	47.32	0.534	13.56	101.00	149.58
18	18.000	457.20	0.180	4.57	39.03	58.10	-	-	-	-
20	20.000	508.20	-	-	43.41	64.62	-	-	-	-
22	22.000	568.80	0.180	4.57	47.80	71.12	-	-	-	-
-	22.750	577.85	-	-	49.50	73.57	-	-	-	-
30	30.000	762.00	0.250	6.35	90.54	134.77	-	-	-	-
40	40.000	1016.00	0.312	7.92	150.70	224.19	-	-	-	-

General Information of Pipes

Pipes - Japanese Standard

MATERIAL : Cu-Ni 90/10, Cu-Ni 70/30 Seamless (6A-350A) & Seam Welded (Over 400A)

According to JIS H3300 C7060T (90/10), C7150T (70/30)

Nominal	Metric size			Navy size					M.M. size		
	Out-Dia	Th'K	Weight	Out-Dia	5K		10K		Out-Dia	Th'K	Weight
					Th'K	Weight	Th'K	Weight			
	(mm)	Kg / m		(mm)	(mm)	kg/m	(mm)	kg/m	(mm)	kg/m	
SEAMLESS											
6A	-	-	-	6.35	-	-	0.89	0.14	-	-	-
10A	16.00	1.0	0.42	12.71	-	-	0.89	0.29	15.00	1.5	0.57
15A	20.00	1.0	0.53	15.14	1.21	0.47	1.65	0.62	20.00	1.5	0.78
20A	25.00	1.5	0.99	21.49	1.21	0.69	1.65	0.92	25.00	1.5	0.99
25A	30.00	1.5	1.20	28.25	1.42	1.07	1.65	1.23	30.00	1.5	1.20
32A	38.00	1.5	1.54	34.60	1.42	1.32	1.65	1.53	38.00	2.0	2.02
40A	44.50	1.5	1.81	40.95	1.42	1.58	1.83	2.01	45.00	2.0	2.41
50A	57.00	1.5	2.34	54.05	1.62	2.39	2.11	3.08	55.00	2.0	2.98
65A	76.10	2.0	4.16	66.75	1.62	2.96	2.41	4.35	70.00	2.0	3.82
80A	88.90	2.5	6.07	79.56	1.82	3.99	2.41	5.24	85.00	3.0	6.91
100A	108.00	2.5	7.41	106.27	2.30	6.80	2.77	8.05	110.00	3.0	9.02
125A	133.00	2.5	9.16	131.67	2.30	8.46	3.18	11.47	130.00	3.0	10.70
150A	159.00	2.5	10.99	157.68	2.64	11.49	3.40	14.73	160.00	4.0	17.52
200A	219.10	3.0	18.21	208.48	2.64	15.26	3.76	21.61	210.00	4.0	23.14
250A	267.00	3.0	22.24	260.50	3.25	23.48	4.75	34.11	260.00	4.5	32.29
300A	323.90	4.0	35.94	312.11	3.68	31.87	6.35	54.52	310.00	5.5	47.03
350A	368.00	4.0	40.89	-	-	-	-	-	-	-	-
SEAM WELDED											
400A	419.00	4.0	46.62	-	-	-	-	-	-	-	-
450A	457.20	4.0	50.91	-	-	-	-	-	-	-	-
500A	508.00	4.5	63.63	-	-	-	-	-	-	-	-
600A	610.00	5.0	84.96	-	-	-	-	-	-	-	-
700A	711.00	6.0	118.80	-	-	-	-	-	-	-	-



Product Information

Comparison table of International Standard for Cu-Ni 90/10

Chemical composition	EEMUA 234UNS 7060X	BS 2871 CN 102	BS EN 12449 CW352H	ASTM B466 C70600	DIN 17664 2.0872	DIN 86019 2.1972	NES 779	MIL-T- 16420K C70600	JIS H 3300 C7060T
Ni%	10.0 - 11.0	10.0 - 11.0	9.0 - 11.0	9.0 - 11.0	9.0 - 11.0	9.0 - 11.0	10.0 - 11.0	9.0 - 11.0	9.0 - 11.0
Fe%	1.5 - 2.0	1.0 - 2.0	1.0 - 2.0	1.0 - 1.8	1.0 - 2.0	1.5 - 1.8	1.0 - 2.0	1.0 - 1.8	1.0 - 1.8
Mn%	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	Max.1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	Max.1.0	0.2 - 1.0
Zn%	Max.0.20	-	Max.0.50	Max.1.0	Max.0.50	Max.0.05	-	Max.0.50	Max.0.50
Pb%	Max.0.01	Max.0.01	Max.0.20	Max.0.05	Max.0.03	Max.0.01	Max.0.01	Max.0.02	Max.0.05
P%	Max.0.02	-	Max.0.20	Max.0.02	Max.0.02	Max.0.02	-	Max.0.02	-
S%	Max.0.02	Max.0.05	Max.0.05	Max.0.02	Max.0.02	Max.0.005	Max.0.05	Max.0.02	-
C%	Max.0.05	Max.0.05	Max.0.05	Max.0.05	Max.0.05	Max.0.05	Max.0.05	Max.0.05	-
Sn%	-	-	Max.0.30	-	-	-	-	-	-
Zr%	-	-	-	-	-	Max.0.03	-	-	-
Other imp.	Max.0.30	Max.0.30	-	-	Max.0.30	Max.0.2	Max.0.30	-	-
Cu%	Balance	Balance	Balance	Balance	Balance	Balance	Balance	Min.86.5	Cu+Ni+Fe+Mn Min. 99.5

Mechanical Properties	EEMUA 234UNS 7060X	BS 2871 CN 102	BS EN 12449 cn102	ASTM B466 C70600	DIN 17664 2.0872	DIN 86019 2.1972	NES 779	MIL-T- 16420K C70600	JIS H 3300 C7060T	ASTM B111 C70600
Tensile strength	300~380N /mm ²	300~380N /mm ²	MIN.290 /mm ²	MIN.260 /mm ²	MIN.290	MIN.300 ~400/mm ²	MIN.280 /mm ²	MIN.38 lb /in ²	MIN.275 /mm ²	MIN.275 /mm ²
Yield strength	Min 105N/ mm ²	-	-	Min 90N/mm ²	Min.90	100~180 N/mm ²	**Min 110N/ mm ²	UP TO 4 1/2: Min.15 OVER 4 1/2:13	Min.103	Min 105N/mm ²
Elongation	Min. 30%	Min. 30%	Min. 30%	-	Min. 30%	Min. 30%	Min. 30%	Min. 30%	Min. 30%	-
Hardness	*HV5/ MAX.100	HV5/ MAX.100	HV5 /75~100	HR 30T/ MAX.45	HB70 MAX	HB70~90	HV/ MAX90	HR(30T) MA45	-	-

* Only seam-welded, ** Only pt.1 (bar-stock)

FITTINGS

CAPILLARY FITTINGS FOR COPPER NICKEL & ALUMINUM BRASS



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.234
APPLICATION	SHIPBUILDING, ONSHORE, OFFSHORE SPECIAL SHIP, DESALINATION, POWER PLANT

MISCELLANEOUS FOR COPPER 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.234
APPLICATION	SHIPBUILDING, ONSHORE, OFFSHORE 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.234
APPLICATION	SHIPBUILDING, ONSHORE, OFFSHORE SPECIAL SHIP, DESALINATION, POWER PLANT

FLANGES

COMPOSITE W/N TYPE FOR COPPER NICKEL & ALUMINUM BRASS



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.234 DIN 86033, JIS B2240
APPLICATION	SHIPBUILDING, ONSHORE, OFFSHORE SPECIAL SHIP, DESALINATION, POWER PLANT

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

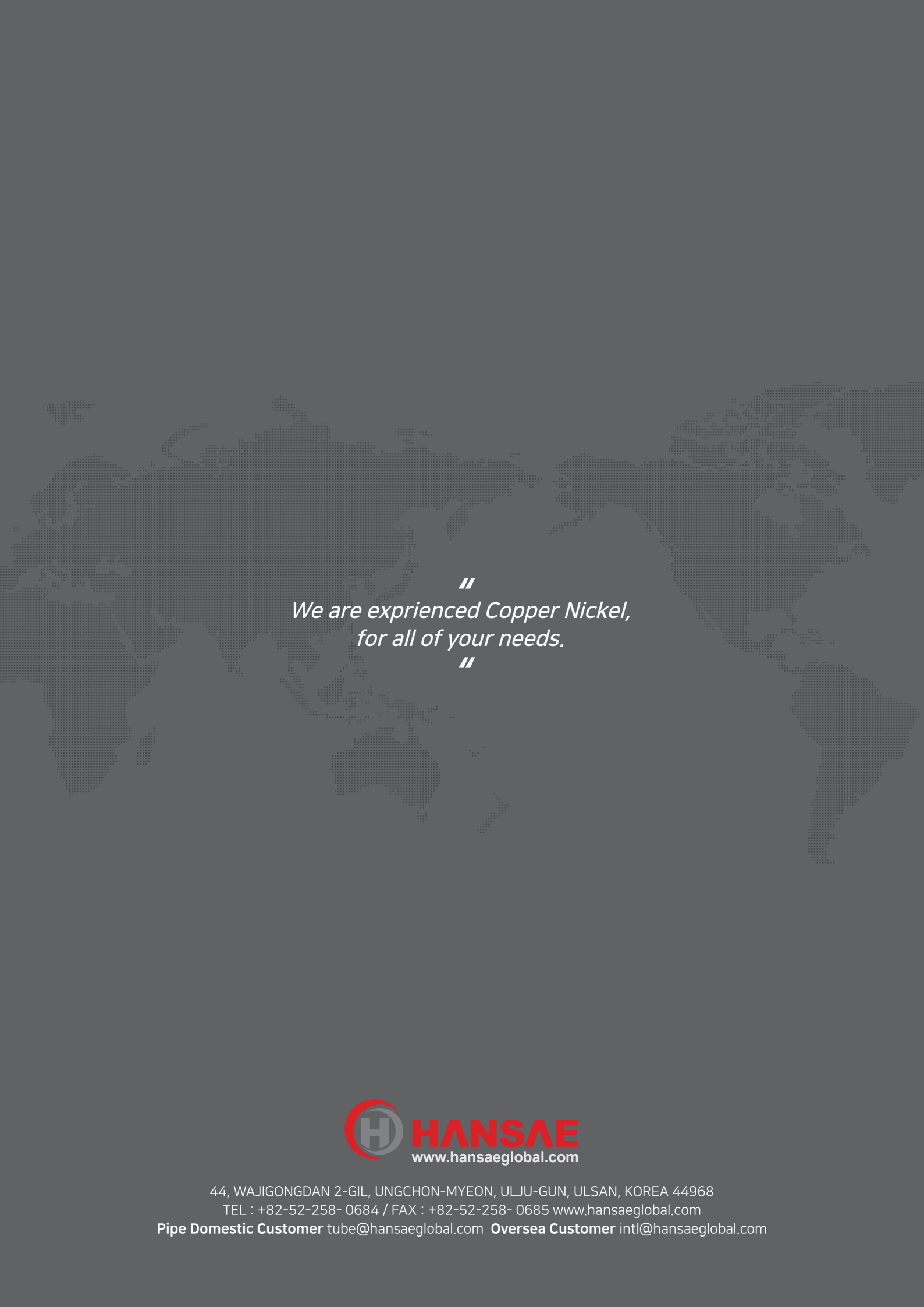


SIZE	1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4" 5", 6", 8", 10", 12", 14", 16", 18", 20", 22", 24", 28"
MATERIAL	ASTM UNS C70600, EEMUA UNS 7060X BS EN GR. CW352H, BS STD. CN102 DIN STD. 2.0872&2.1972, JIS STD. C7060
PRESSURE	DIN 6~40BAR EEMUA 16~20BAR, JIS 5~16K
DESIGN	EEMUA PUB No.234, DIN 86037, JIS F7804
APPLICATION	SHIPBUILDING, ONSHORE, OFFSHORE SPECIAL SHIP, DESALINATION, POWER PLANT

COMPOSITE S/W FLANGES FOR COPPER & COPPER ALLOY



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.234 DIN 86037, JIS F7804
APPLICATION	SHIPBUILDING, ONSHORE, OFFSHORE SPECIAL SHIP, DESALINATION, POWER PLANT



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