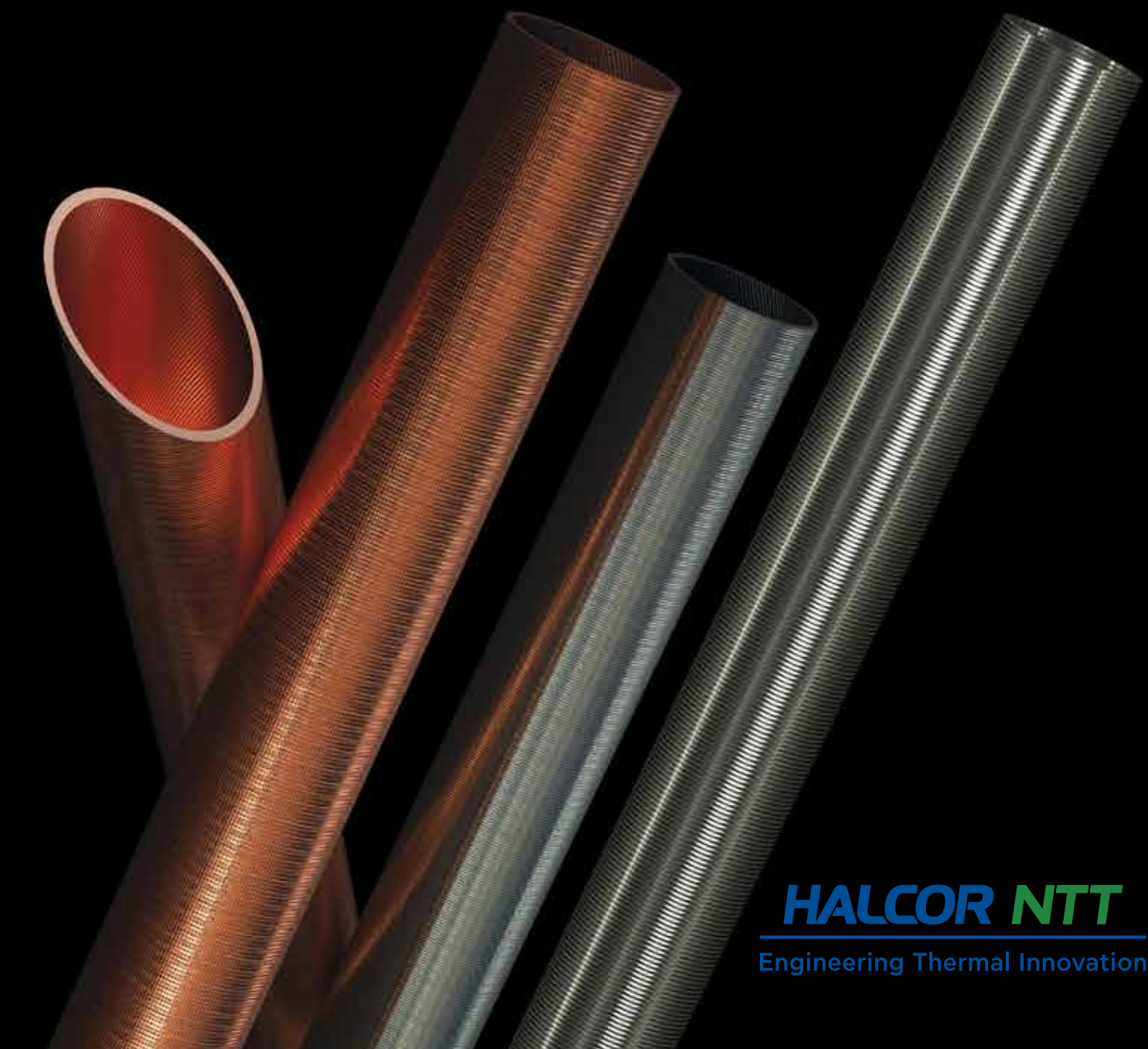
TALOS®

NTT FIN

Tubes with enhanced surface
for use in HVACR applications.



HALCOR NTT

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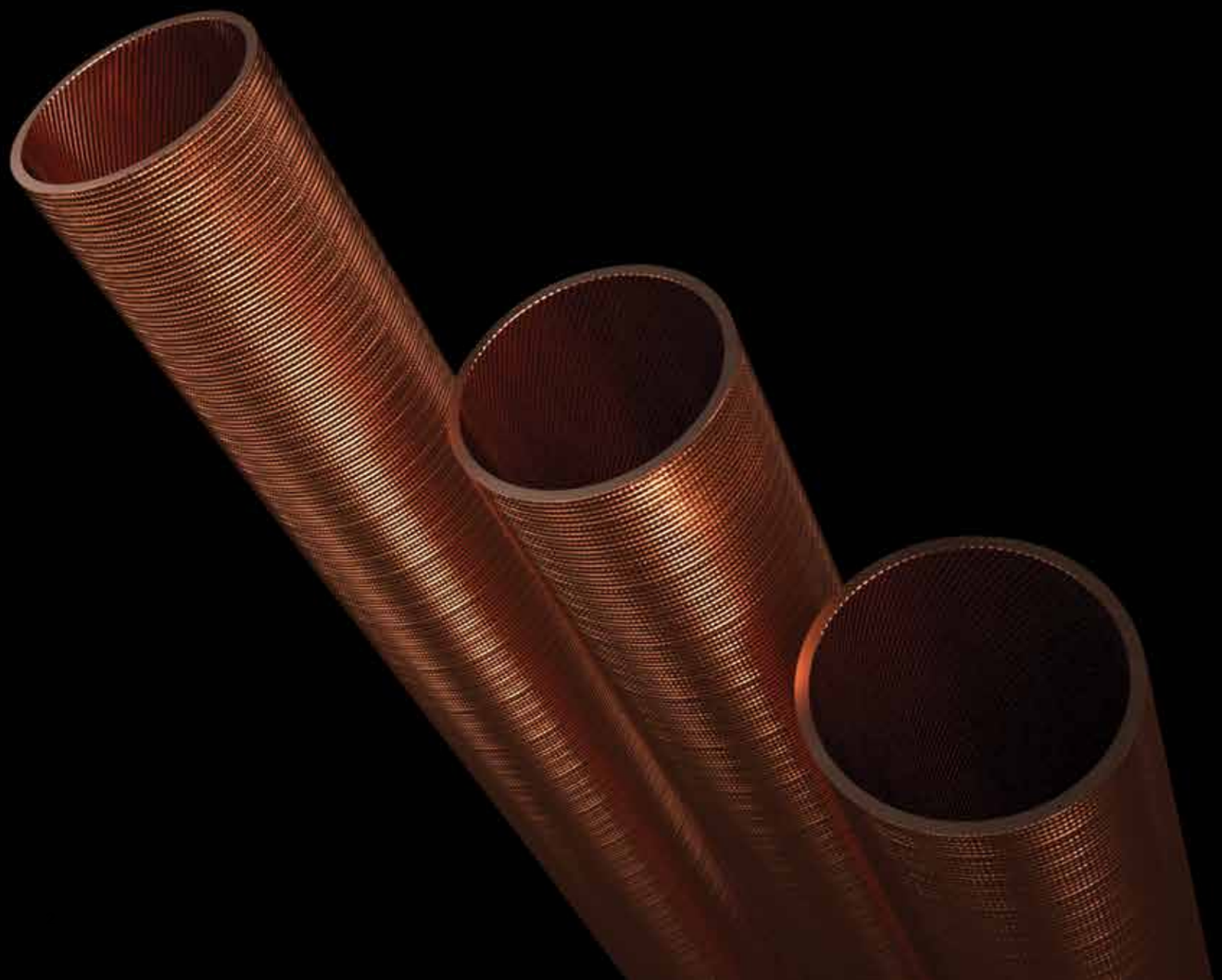

Introducing our new joint venture, HALCOR-NTT, as a synergy of leadership and technical expertise, we have the vision to revolutionize the HVACR market. Our company, driven by the motto “Engineering Thermal Innovation,” combines the strengths of a leading European manufacturer with the innovative capabilities of a recognized technical expert.

This partnership ensures a comprehensive range of engineered products that are designed, tested and produced within Europe, tailored to meet the diverse needs of the European market for technical tubing.

Together, we are committed to delivering superior quality, cutting-edge technology, and unparalleled service, setting new standards in thermal engineering excellence.

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EVAPORATOR TUBES

EDX2				
Suitable for full-liquid or falling-film evaporator				
	Plain Section		Finned Section	
No#	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height
1	19.05	1.10	0.635	0.45
2	19.05	1.20	0.711	0.45
3	25.40	1.10	0.635	0.45
4	25.40	1.20	0.711	0.45

EX2				
Suitable for full-liquid or falling-film evaporator				
	Plain Section		Finned Section	
No#	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height
1	19.05	1.10	0.635	0.38
2	19.05	1.20	0.711	0.38
3	19.05	1.40	0.889	0.35
4	25.40	1.10	0.635	0.40
5	25.40	1.20	0.711	0.40
6	25.40	1.40	0.889	0.35

EDXL				
Suitable for full-liquid or falling-film evaporator				
	Plain Section		Finned Section	
No#	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height
1	19.05	1.10	0.635	0.41
2	19.05	1.20	0.711	0.41
3	25.40	1.10	0.635	0.41
4	25.40	1.20	0.711	0.41

EXA2				
Suitable for full-liquid or falling-film evaporator				
	Plain Section		Finned Section	
No#	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height
1	19.05	1.10	0.635	0.35
2	19.05	1.20	0.711	0.35

EDX1				
Suitable for full-liquid or falling-film evaporator				
	Plain Section		Finned Section	
No#	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height
1	19.05	1.10	0.635	0.40
2	19.05	1.20	0.711	0.40
3	19.05	1.40	0.889	0.35
4	25.40	1.05	0.635	0.40
5	25.40	1.15	0.711	0.40
6	25.40	1.35	0.889	0.35

- Suitable for flooded or falling-film evaporator.
- The structure improves the density of boiling nucleus and the speed of liquid refilling, thereby enhancing the boiling heat transfer effect.
- The overall heat transfer coefficient is significantly increased compared to smooth tubes.
- The higher efficiency of the tubes allows the designer to reduce overall size of the actual unit, and/or reduce number of tubes resulting reduction on the energy consumption, during operation and less material use.
- Tailored solutions can be offered in order to meet customer specific needs.
- Upon request, different alloys are available to offer.

CONDENSER TUBES

TLC2					
	Plain Section		Finned Section		
No#	mm	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height	External Ridge Height
1	19.05	1.05	0.635	0.35	0.80
2	19.05	1.15	0.711	0.35	0.80
3	19.05	1.32	0.889	0.35	0.80
4	25.40	1.05	0.635	0.40	0.80
5	25.40	1.15	0.711	0.40	0.80
6	25.40	1.32	0.889	0.35	0.80

TXA					
	Plain Section		Finned Section		
No#	mm	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height	External Ridge Height
1	19.05	1.10	0.635	0.35	0.90
2	19.05	1.20	0.711	0.35	0.90
3	25.40	1.10	0.635	0.40	0.90
4	25.40	1.20	0.711	0.40	0.90

TDCL					
	Plain Section		Finned Section		
No#	mm	mm	mm	mm	mm
	O.D.	Wall Thickness	Wall Thickness	Internal Ridge Height	External Ridge Height
1	19.05	1.02	0.635	0.33	0.75
2	19.05	1.10	0.711	0.33	0.75
3	25.40	1.05	0.635	0.35	0.75
4	25.40	1.13	0.711	0.35	0.75

- The external fin shape special design takes into consideration the increased heat transfer area and thinner fin thickness targeting higher efficiency. At the same time, the tube has an inner spiral groove to strengthen the heat transfer of water side.
- The overall heat transfer coefficient is significantly increased compared to smooth tubes.
- The higher efficiency of the tubes allows the designer to reduce overall size of the actual unit, and/or reduce number of tubes resulting reduction on the energy consumption, during operation and less material use.
- Tailored solutions can be offered in order to meet customer specific needs.
- Upon request, different alloys are available to offer.

CARBON STEEL FIN TUBES

	Plain Section		Finned Section		
	mm	mm	mm	mm	
Type	O.D.	Wall Thickness	Wall Thickness	Fins Height	Fins Per Inch
NDC1	16	1.65	1.25	1.27	19
	19.05	2.10	1.65	1.27	19
	25.40	2.20	1.65	1.27	19
NDC2	16	1.65	1.25	1.27	26
	19.05	2.10	1.65	1.27	26
	25.40	2.20	1.65	1.27	26

STAINLESS STEEL FIN TUBES

	Plain Section		Finned Section		
	mm	mm	mm	mm	
Type	O.D.	Wall Thickness	Wall Thickness	Fins Height	Fins Per Inch
NDC2	16	1.20	0.711	0.70	28
	19.05	1.40	0.711	0.80	28
	19.05	1.50	0.889	0.80	28
	25.40	1.40	0.711	0.80	28
	25.40	1.50	0.889	0.80	28

TITANIUM FIN TUBES

	Plain Section		Finned Section		
	mm	mm	mm	mm	
Type	O.D.	Wall Thickness	Wall Thickness	Fins Height	Fins Per Inch
TLF2	19.05	1.25	0.635	0.65	36
	15.88	1.25	0.635	0.65	36
	25.40	1.25	0.635	0.65	36

High corrosion resistance material, suitable for poor water quality environment.

PLOWED FIN TUBES

	Plain Section		Finned Section			
	mm	mm	mm	mm	mm	
Type	O.D.	Wall Thickness	Wall Thickness	Fins Height	O.D. Over Fins	Fins Per Inch
NTC	9.52	0.90	0.60	0.70	10.80	42
	11.10	1.10	0.75	1.70	13.50	23
	15.88	1.20	0.85	1.70	18.60	23
	19.05	1.35	0.95	1.70	22	23

The needle-shaped fin design of the fin tube facilitates liquid disturbance and enhances heat transfer.

NOTCHED FIN TUBES

	Plain Section		Finned Section		
	mm	mm	mm	mm	mm
Type	O.D.	Wall Thickness	O.D. Over Fins	Wall Thickness	Internal Ridge Height
NJC	15.88	0.70	15.88	0.50	0.15
	19.05	0.70	19.05	0.50	0.15
	25.40	0.80	25.40	0.55	0.15

Used in absorption (LiBr) units. This design significantly increases the heat exchange area, while also ensuring excellent fluidity within the channels.

TALOS NTT FIN

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