

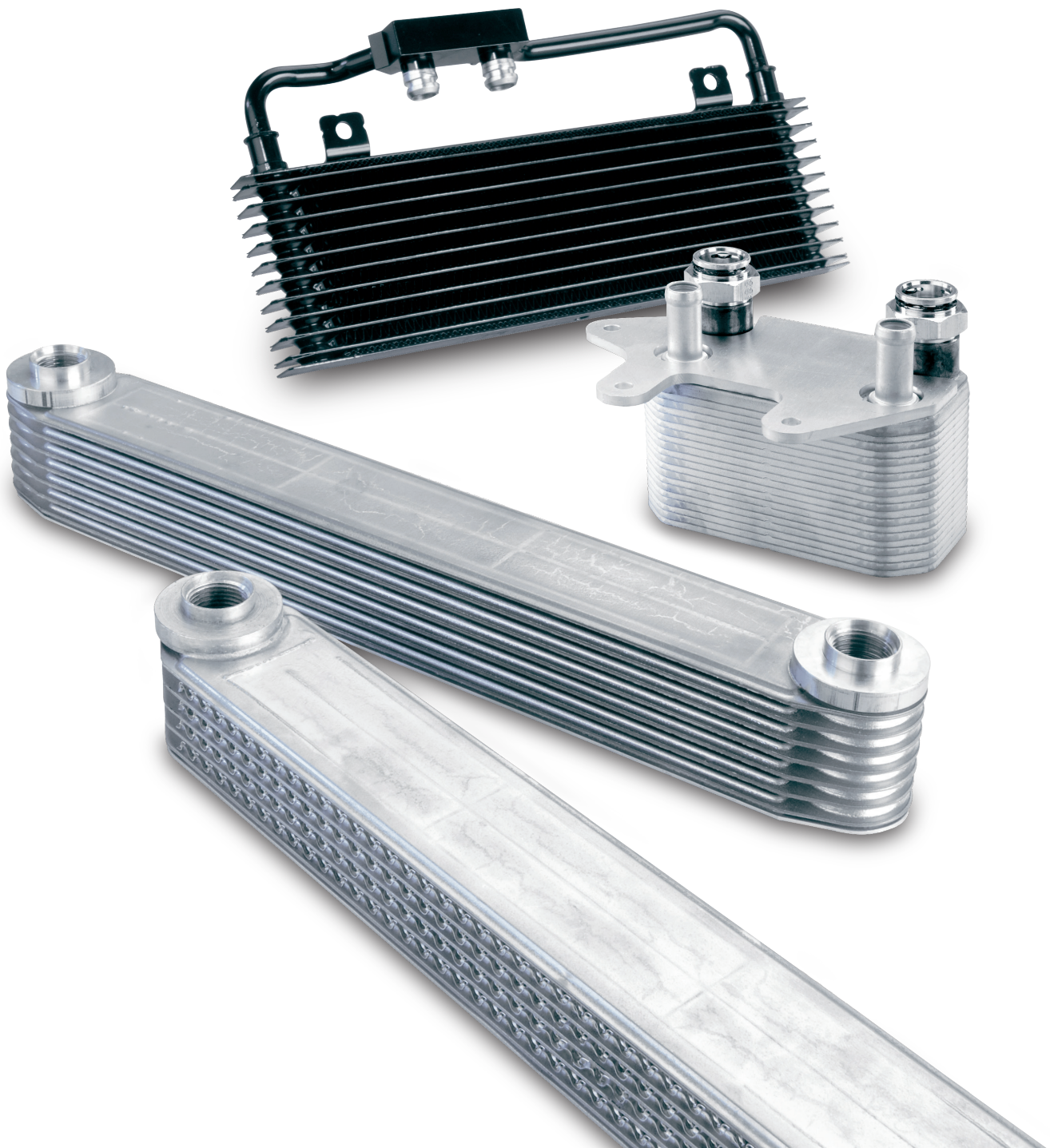


**LONG<sup>®</sup>**

*Thermal Products*

Transmission Oil

# Cooling and Warming Products



# Transmission Oil Cooling and Warming Products

Dana, the leading transmission oil cooler manufacturer in the world, offers a full range of innovative heat-exchange solutions – both air- and coolant-cooled – to meet your unique needs.

## Liquid-to-Liquid Heat Exchangers

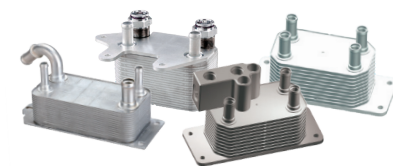
Aluminum Self-Contained Cooling and Warming Products									
Length (mm)	94	110	140	148	120	140	172	210	327
Width (mm)	62	70	70	74	80	80	69	94	100

Stainless Steel Self-Contained Cooling Products	
Length (mm)	203
Width (mm)	116

Aluminum and Brass Radiator In-Tank Products									
Length (mm)	210	254	292	300	305				
Width (mm)	28	28	36	44.5	44	45	28	36	44.5

Aluminum and Brass Radiator In-Tank Products									
Length (mm)	Designed to customer specifications								
Diameter (mm)	19	22	25.4	28	32	38	44.5		

Stainless Steel Radiator In-Tank Products			
Length (mm)	216	292	457
Width (mm)	44	63.5	76.2

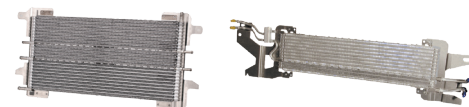
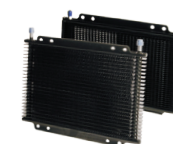


## Liquid-to-Air Heat Exchangers

Plate and Fin Design					
Core Depth (mm)	19	20	32	32	50
Core Length (mm)	280, 580, 670	212	158, 253, 340, 580	400 to 850 (max.)	277, 355
Core Height (mm)	Designed to customer specifications				
Fin Density (fins per inch)	Designed to customer specifications				

Stacked Plate Design			
Core Depth (mm)	19	19	38
Core Length (mm)	102	280	280
Core Height (mm)	Designed to customer specifications		

Combination Coolers	
Designed to customer specifications	



## Dana.com/light-vehicles

### Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at



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