



COOLING SOLUTIONS  
RACING OIL COOLERS

**Setrab**  
*Pro Line*



# THE WINNING RACING OIL COOLERS

---

## **OUR OIL COOLERS ARE UNIQUE**

Setrab is the number one supplier of high-performance racing oil coolers to many of the winning teams in all areas of motorsport all around the world. The track-proven rugged construction of the Setrab cooler is the ideal addition to racing cars, motor-cycles, street tuners, and also to motor homes and towing vehicles.

Setrab's technical experts are the only professionals in the industry that can offer the same high-quality products and advice for small customer needs as for the high-performance automotive industry. This has become the benchmark of our reputation among the world's most successful race teams. No one can match Setrab quality across such a broad product line.

## **LONG EXPERIENCE**

Setrab has worked with vehicle heat exchangers since the late 1970s. Through close collaboration with our customers, we want to create a long-term relation-

ship. Setrab's head office and production facilities are situated in Malmö, Sweden. We have fully owned subsidiaries in the United Kingdom, Germany and the USA. In addition Setrab is represented in more than 20 countries by distributors and agents.

## **CUSTOMER-SPECIFIC SOLUTIONS**

Setrab works actively and closely with its customers. In new applications we carefully study the environment in which the cooler will work, and we perform follow-ups in order to document how the unit performs.

This working method gives us broad experience of the conditions imposed in a number of different installations and is an aid in the continuous development of our coolers. The experience gained always comes to the benefit of the customer.

# FOR YOU TO BE NUMBER ONE

---



## **STD, AIR-COOLED COOLER**

The most flexible high-performance cooler available.  
Universal multi-purpose for all types of applications.



## **COM, AIR-COOLED COOLER**

Top quality cooler for extreme conditions, where there is demanding pressure and vibrations.



## **TOC, WATER-COOLED COOLER**

Rugged low-weight cooler, 100% aluminium with tubular design. Keeps your gearbox oil cool with water.



#### **CP, AIR-COOLED WITH BUILT-IN FAN**

ProLine cooling packages are based on the STD cooler, where cooler, fan and fan shroud are optimized for top performance.



#### **SLM, AIR-COOLED COOLER**

High-performance compact cooler. Where the available space is very limited.

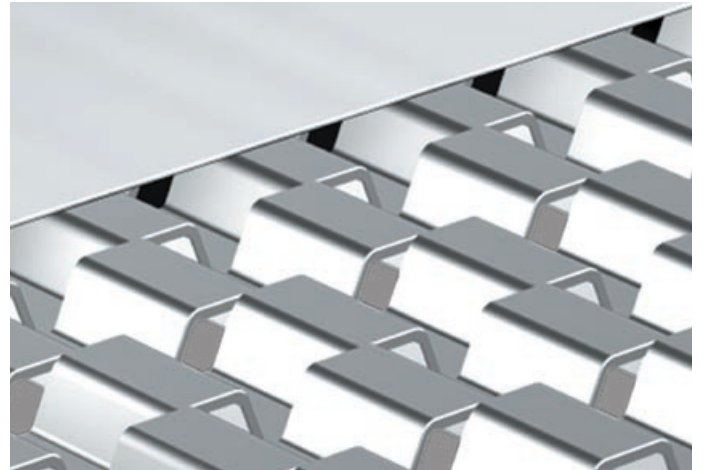
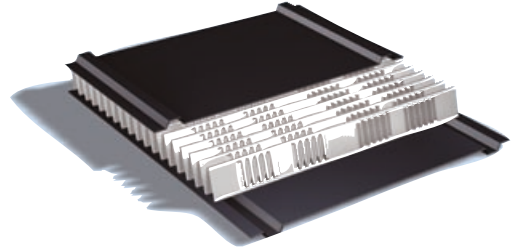
### **SETRAB'S COOLERS BECOME ONE WITH THE SYSTEM**

The cooler is designed to be a qualified and integrated component of the system in which it is to operate.

Current cooling needs and external dimensions are important factors influencing the choice of an appropriate cooler. In most cases it is also important to consider factors such as pressure drop of oil and air, variations in oil flow, influence of the external environment and so on, if the maximum performance is to be obtained.

### **ALL THE COOLERS YOU'LL EVER NEED**

For racing choose between five different oil coolers: STD, COM, TOC, CP and SLM.



# RUGGED TRACK-PROVEN DESIGN

---

## **COOLERS FOR DEMANDING ENVIRONMENTS**

The standard design of Setrab coolers is based on shallow tubes with internal turbulators and external fins. In special applications the oil can be forced to travel through the cooler two or three times, which results in even higher performance output.

## **COMPLETE BRAZING**

All our coolers are fully brazed with the Nocolok method, which ensures complete brazing of all internal and external contact surfaces and a brazed seam that withstands vibrations and pulsations in the hardest environment. This special manufacturing process results in highly efficient heat dissipation. The coolers are epoxy-coated to further enhance the outer corrosion resistance and to give the coolers a high surface finish.

## **TURBULATORS**

The turbulator, which controls the oil flow so that the maximum heat transfer is

obtained, is designed for low oil pressure drop without the formation of a heat-insulating boundary layer in the oil tube.

## **AIR FINS**

Air fins are louvered to a design that ensures optimum heat transfer to the air and a perfect balance to the oil side.

## **QUALITY IS OUR GUIDING STAR**

Quality has top priority for Setrab. For us it is natural that quality is the guiding star when it comes to service and design, as well as production and distribution, to achieve the result the customer expects.

We work according to the most stringent quality systems demanded by the automotive industry, on all levels within the organization, and the continuous development of our quality assurance system is a process that engages all of our employees.







# COOLING THE ENGINE

---

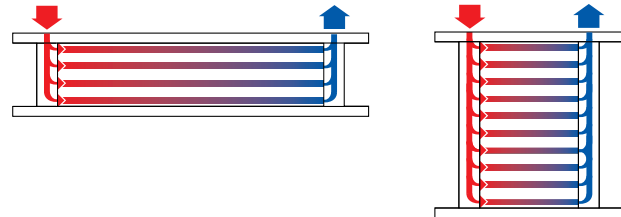
## SETRAB COOLERS PROLONG THE ENGINE LIFE

The tasks of engine oils are to lubricate, to seal and to prohibit corrosion. If the properties of the oil deteriorate, the consequence is wear and reduced life expectancy. In the worst case, an engine working at excessively high oil temperatures can be subject to engine failure. From the greatest selection in the world we choose the right package for you in order to optimize cooling performance, pressure drops, and dimension.

High oil pressure drops must be avoided to attain overall performance. This is especially important in engines with a dry sump which often work with high oil flows. By choosing the adequate number of tubes we control the pressure drop. STD coolers should be used for cooling the engine oil. Optionally you can choose the TOC, COM or CP.

## MULTIPLE TUBING. FOR OPTIMUM OIL PRESSURE DROPS

We can choose a cooler from a broad range to ensure low oil pressure drop at any given oil flow. It's a general rule that in a low cooler with a few long tubes you get a slightly higher pressure drop because of the high velocity of the oil flow. By choosing a cooler with a large number of short tubes, we attain minimum pressure drop even at a high oil flow level.



# COOLING THE DRIVE LINE

---

## **COOLING THE TRANSMISSION**

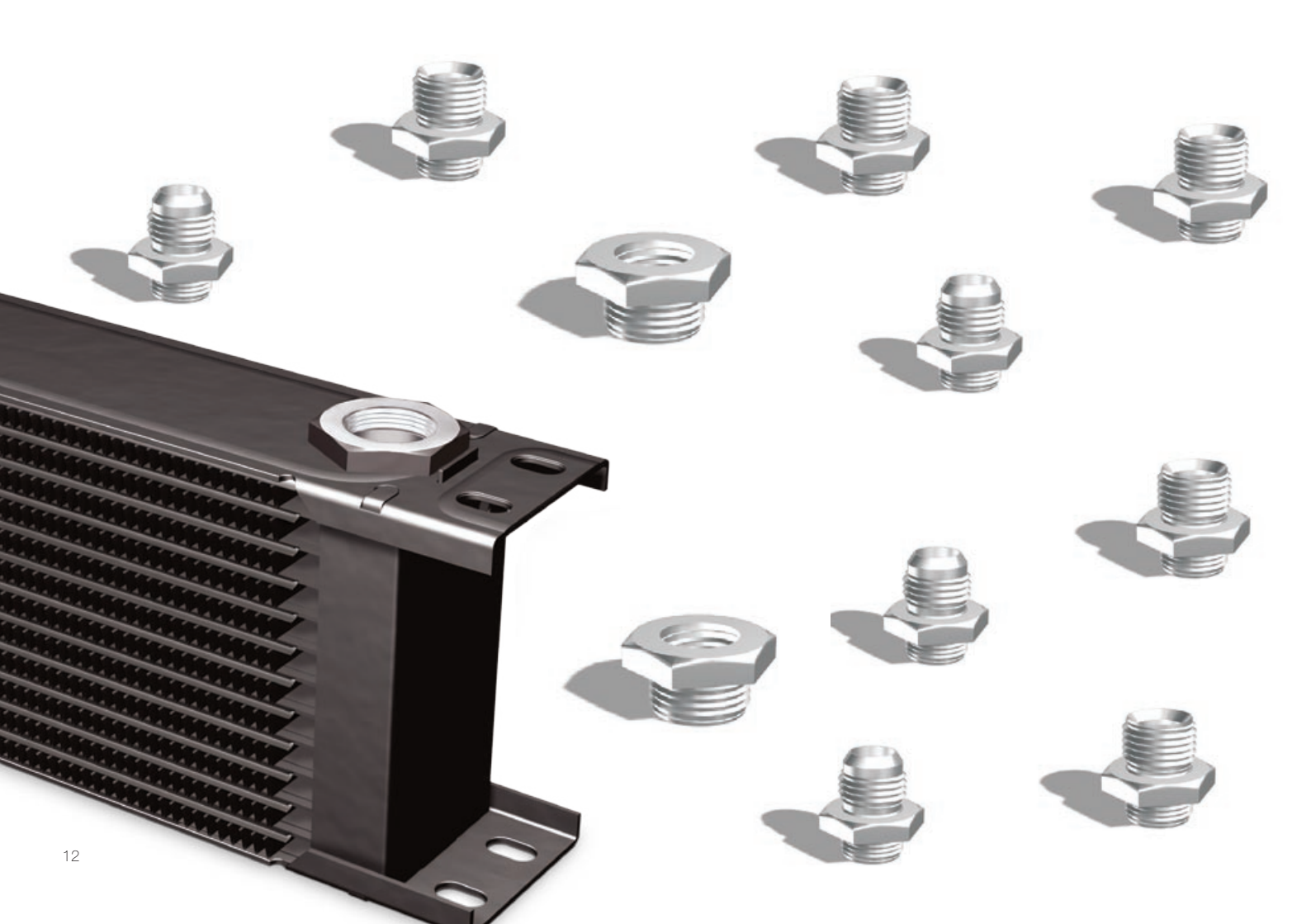
In these applications the oil flows are often low. By choosing a cooler with fewer tubes we can raise the velocity of the oil and accordingly increase efficiency.

Other important applications are the automatic gearboxes. With a lower oil temperature the viscosity of the oil is increased and consequently the transmission efficiency rises. In some cases the available space for a STD air/oil cooler is insufficient. That's when you should choose the TOC cooler using the cooling water of the engine, our air-cooled SLM cooler or a CP cooler.

## **OTHER TYPES OF COOLING**

In many cases coolers are used also for power steering and fuel to give maximum performance. In addition, cooling of brake systems and suspension components is applied in extreme situations. Then our STD cooler is the best choice possible.





# CONNECTIONS TO ALL

---

The STD, COM, CP and TOC coolers are supplied with a connection adapter system allowing them to connect to all systems. This includes a sealing ring to ensure a 100% leak tight fitting.



Adapter AN6, AN8, AN10, AN12, AN16



Adapter BSP  $\frac{3}{8}$ " , BSP  $\frac{1}{2}$ " , BSP  $\frac{5}{8}$ " , BSP  $\frac{3}{4}$ "



Adapter Female Metric M14, M16, M18

# ALL THE COOLERS YOU'LL EVER NEED

The right cooler is always available. Our wholesale distributors worldwide keep a good stock of all the sizes needed by dealers and their customers. The chart shows our complete range of coolers, the fitting sizes available and the dimensions. And you can get them right away.

You will be sure to find a cooler to suit all your requirements in the chart. Most of our coolers are fitted with a smart adapter system allowing them to connect to all other cooling systems. The only exception is the thin SLM cooler which has metric M18 female connections for technical reasons.

But if by some rare chance you still don't find the one you need – we'll develop a limited batch just for you. Contact us and we will tell you about it.

Nothing is impossible; it just takes a little longer.

## PROLINE COOLERS, DESIGNATIONS AND DIMENSIONS

Type	Depth D mm	Length L mm	Height H mm
COM, Air-cooled oil cooler			
486 COMF-10	50	554	123
486 COMF-15	50	554	187
486 COMF-20	50	554	252
486 COMF-25	50	554	316
TOC, water-cooled oil cooler			
TOC 150	Ø 85	252	
TOC 200	Ø 85	305	
TOC 250	Ø 85	352	
TOC 300	Ø 85	402	
TOC 350	Ø 85	452	
CP, Air-cooled oil cooler with built-in fan			
CP 119	170	220	154
CP 224	128	260	193
CP 920	153	407	165
SLM, air-cooled oil cooler			
SLM 420-6	40	484	61
SLM 420-14	40	491	133

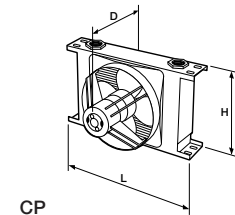
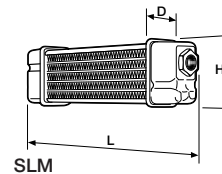
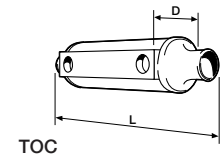
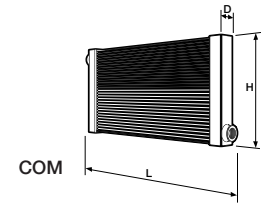
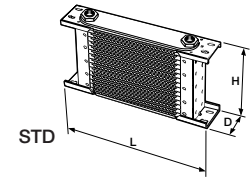


## PROLINE COOLERS, DESIGNATIONS AND DIMENSIONS

Type	Depth D mm	Length L mm	Height H mm
STD, Air-cooled oil cooler			
STD 107	50	210	52
STD 110	50	210	76
STD 113	50	210	99
STD 116	50	210	122
STD 119	50	210	146
STD 125	50	210	193
STD 150	50	210	389
STD 172	50	210	562
STD 607	50	330	52
STD 610	50	330	76
STD 613	50	330	99
STD 616	50	330	122
STD 619	50	330	146
STD 625	50	330	193
STD 634	50	330	264
STD 640	50	330	310
STD 644	50	330	342
STD 650	50	330	389
STD 910	50	405	76
STD 913	50	405	99
STD 915	50	405	115
STD 919	50	405	146
STD 925	50	405	193
STD 934	50	405	264

## ADAPTERS

Type	Part No.
AN6	22-09475-01
AN8	22-09476-01
AN10	22-09477-01
AN12	22-09478-01
AN16	22-09479-01
BSP $\frac{3}{8}$ "	22-07617-01
BSP $\frac{1}{2}$ "	22-07618-01
BSP $\frac{5}{8}$ "	22-07619-01
BSP $\frac{3}{4}$ "	22-07620-01
M14 Female	22-07779-01
M16 Female	22-07780-01
M18 Female	22-07781-01
Oil seal	25-233
Bracket Set Series-1	25-932
Bracket Set Series-6	25-933
Bracket Set Series-9	25-934





**Setrab AB**, Box 600 16, SE-216 10 Malmö, Sweden  
E-mail: [racing@setrab.com](mailto:racing@setrab.com) [www.setrab.com](http://www.setrab.com)

#### DISTRIBUTION CENTRES:

##### **Schweizer Renn- und Motorsportteile**

Lise-Meitner Strasse 13  
71364 Winnenden-Hertmansweiler  
GERMANY  
Phone: +49-(0)7195-10440  
Fax: +49-(0)7195-104429  
[www.s-r-p.com](http://www.s-r-p.com)

##### **Serck Services Motorsport**

Unit 9-11, Bullsbrook Road,  
Brook Ind Estate, Hayes,  
Middlesex, UB4 0JZ,  
UNITED KINGDOM  
Phone: +44-20-8813-7470  
Fax: +44-20-8813-7499  
[www.serckservicesmotorsport.co.uk](http://www.serckservicesmotorsport.co.uk)

##### **Think Automotive Ltd**

292 Worton Road, Isleworth,  
Middlesex, TW7 6EL,  
UNITED KINGDOM  
Phone: +44-208-568-1172  
Fax: +44-208-847-5338  
[www.thinkauto.com](http://www.thinkauto.com)

##### **Goodridge France**

Z.A. les Pres d'Andy  
77950 St Germain-Laxis  
FRANCE  
Phone: +33-1-6438-4444  
Fax: +33-1-6068-9674

##### **Universal Coolers**

65/1A Erasmus Avenue  
0109 Raslouw, Centurion  
SOUTH AFRICA  
Phone: +27-12-666-8725  
Fax: +27-12-666-8729  
[www.hot4cold.co.za](http://www.hot4cold.co.za)

##### **KinoKuni**

204, Anjo, Iwade-cho  
649-6252 Naga-gun  
Wakayama-ken  
JAPAN  
Phone: +81-736-62-6355  
Fax: +81-736-62-8122  
[www.kinokuni-e.com](http://www.kinokuni-e.com)

##### **Trendab**

Gamla Strängnäsvägen  
155 00 Nykvarn  
SWEDEN  
Phone: +46-(0)8-552-45006  
Fax: +46-(0)8-552-47173  
[www.trendab.se](http://www.trendab.se)

##### **Setrab USA**

27B Greenscapes Court  
Johnstown  
Ohio 43031  
UNITED STATES  
Phone: +1-740-967-1726  
Fax: +1-740-967-1749  
[www.setrabusa.com](http://www.setrabusa.com)