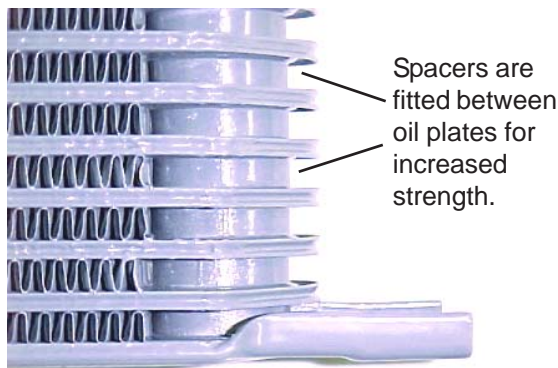
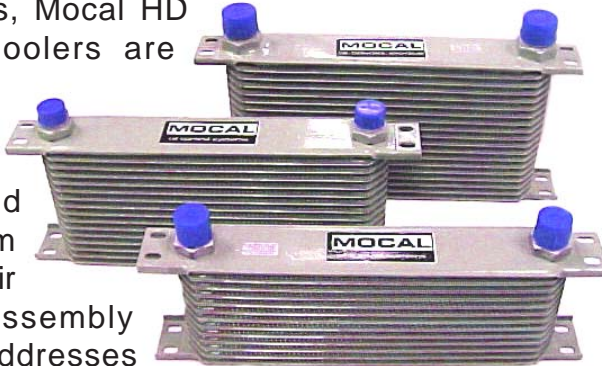


# MOCAL HD series

## Mocal HD Series Oil Coolers

As a complement to our standard cooler product line we are pleased to introduce the Mocal HD Series. Utilizing a modern flexible manufacturing processes, Mocal HD Series Coolers are available in both industry standard and custom sizes. Their main assembly feature addresses the weakest point in standard oil cooler construction: the unsupported area where the plates join together forming the end tank. Here, Mocal HD coolers utilize aluminum spacers between the plates forming a core with increased rigidity. Thicker material is also used in key areas for added strength, boosting the working pressure rating to 12bar (180psi). An added benefit of their construction is the ease in which the more complex taller and narrow size coolers can be build; this greatly reduces build time, decreases imperfections, and actually helps reduce the end cost of larger core size units. Cooling performance is very similar to traditional Mocal and Setrab models, with only a slight weight penalty (roughly 7-15% depending on core size). Going forward, we will continue to expand stock supplies and will include the possibility of special non-standard core widths.

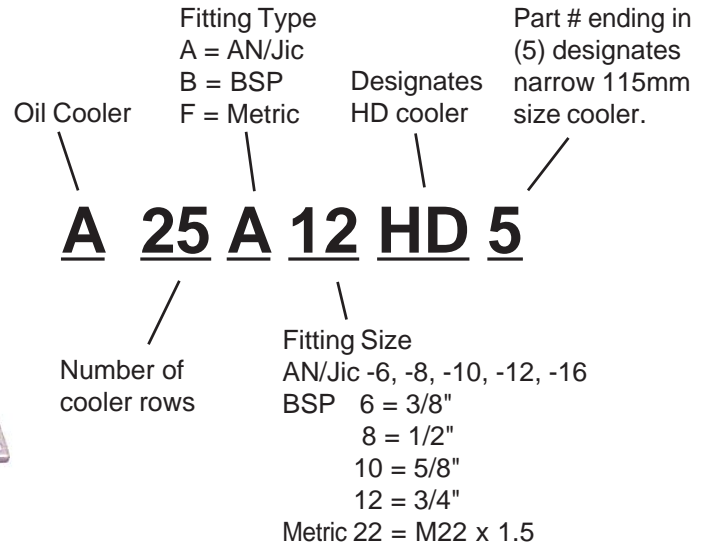


Spacers are fitted between oil plates for increased strength.

Mocal HD Series Cooler

## Part Number Identification

example 25 row 115mm HD core with -12AN fittings



## 2017 Price List

### 235 Matrix HD Series Coolers

	list \$	your \$
7 Row	\$140.00	124.50
10 Row	\$155.00	138.60
13 Row	\$170.00	153.75
16 Row	\$195.00	175.00
19 Row	\$210.00	190.00
25 Row	\$255.00	230.00
34 Row	\$375.00	340.00
44 Row	\$470.00	425.00
50 Row	\$545.00	495.00

## 2017 Price List

### 115 Matrix HD Series Coolers

	list \$	your \$
7 Row	\$110.00	98.50
10 Row	\$125.00	114.00
13 Row	\$145.00	130.50
16 Row	\$160.00	144.50
19 Row	\$180.00	162.00
25 Row	\$220.00	197.50
34 Row	\$320.00	290.00
44 Row	\$415.00	375.00
50 Row	\$480.00	435.00

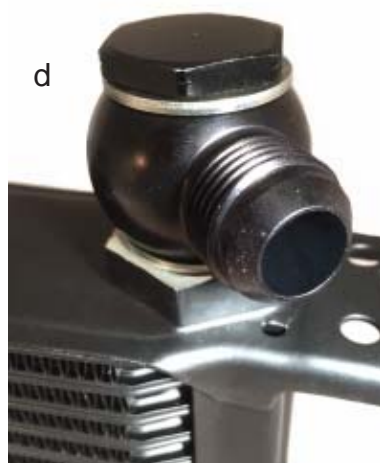
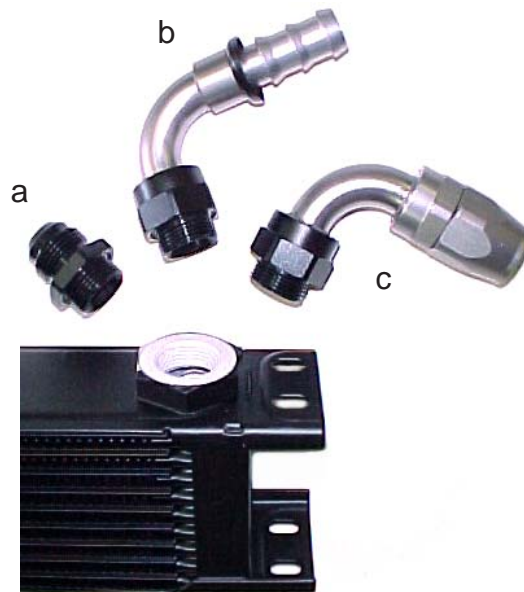
## New for 2017

Mocal System 22 series oil coolers are now available. These coolers use M22mm x 1.5 thread o-ring boss (ORB) type adaptors, hose ends and banjo fittings for added versatility. This concept also allows shops and resellers to stock a minimal range of cores but still have the potential full range of fluid connection sizes available.

System 22 oil coolers feature a versatile 22mm x 1.5 female adaptor fitting system. Select from a range of 22mm x -AN unions or hose ends for direct connection to socketless or stainless braid -AN hose.

- a) Union Adaptor -6 to -16an
- b) Hose End Socketless -6 to -12an
- c) Hose End Swivel -6 to -12an

See next page for complete listing.



d) Banjo type cooler adaptors are very handy for space limited installations. Available in two sizes, 22mm x -10AN male and 22mm x 8AN male, these banjo adaptors are the most compact connection available (measuring only 1.75" off the top plate of the cooler).

See next page for complete listing.

### 2017 Price List

#### 235 Matrix HD Series 22 Oil Coolers

size	part#	list \$	your \$
10 Row	A10F22HD	155.00	138.60
13 Row	A13F22HD	170.00	153.75
16 Row	A16F22HD	195.00	175.00
19 Row	A19F22HD	210.00	190.00
25 Row	A25F22HD	255.00	230.00
34 Row	A34F22HD	375.00	340.00
44 Row	A44F22HD	470.00	425.00
50 Row	A50F22HD	545.00	495.00

### 2017 Price List

#### 115 Matrix HD Series 22 Oil Coolers

size	part#	list \$	your \$
10 Row	A10F225HD	125.00	114.00
13 Row	A13F225HD	145.00	130.50
16 Row	A16F225HD	160.00	144.50
19 Row	A19F225HD	180.00	162.00
25 Row	A25F225HD	220.00	197.50
44 Row	A44F225HD	415.00	375.00
50 Row	A50F225HD	480.00	435.00

## Fittings & Adaptors for M22 Female Oil Coolers

Coolers designed to receive a 22mm male fluid connection; most often this is done with a male/male union which permits connection to any common -AN type female hose end. Another option is to use a specialized "direct to hose" type and connect hose directly to the cooler. These hose end fittings are available for either "socketless" push-on or stainless overbraided "Aeroquip" hose in straight, 45 and 90 degree angles.

### Cooler Adaptor 22mm Male x -AN Male



-AN size	part #	price \$
-6AN	M22AN06-SE	\$7.45
-8AN	M22AN08-SE	\$7.90
-10AN	M22AN10-SE	\$8.95
-12AN	M22AN12-SE	\$8.75
-16AN	M22AN16-SE	\$9.60

### Straight 22mm Male x Braided Hose



-AN size	part #	price \$
-6AN	M22RU06-00	\$15.30
-8AN	M22RU08-00	\$16.50
-10AN	M22RU10-00	\$18.00
-12AN	M22RU12-00	\$20.50

### Straight 22mm Male x Push-on Hose



-AN size	part #	price \$
-6AN	M22PL06-00	\$9.60
-8AN	M22PL08-00	\$11.40
-10AN	M22PL10-00	\$13.15
-12AN	M22PL12-00	\$14.90

### 45 Degree\* 22mm Male x Braided Hose



-AN size	part #	price \$
-6AN	M22RU06-45	\$24.15
-8AN	M22RU08-45	\$27.20
-10AN	M22RU10-45	\$30.00
-12AN	M22RU12-45	\$35.00

\*Swivel Hose End

### 45 Degree 22mm Male x Push-on Hose



-AN size	part #	price \$
-6AN	M22PL06-45	\$23.70
-8AN	M22PL08-45	\$26.30
-10AN	M22PL10-45	\$28.90
-12AN	M22PL12-45	\$31.60

### 90 Degree\* 22mm Male x Braided Hose



-AN size	part #	price \$
-6AN	M22RU06-90	\$24.15
-8AN	M22RU08-90	\$27.20
-10AN	M22RU10-90	\$30.00
-12AN	M22RU12-90	\$35.00

\*Swivel Hose End

### 90 Degree 22mm Male x Push-on Hose



-AN size	part #	price \$
-6AN	M22PL06-90	\$23.70
-8AN	M22PL08-90	\$26.30
-10AN	M22PL10-90	\$28.90
-12AN	M22PL12-90	\$31.60

### 22mm Banjo Accessories



Desc.	part #
Banjo M22 x -8AN	BJ2208M
Banjo M22 x -10AN	BJ2210M
Banjo Bolt M22 x 1.5	BJBM22
Bonded Seal 22mm	DS-M22

Banjo fittings are the lowest profile option in a fluid connection for Setrab oil coolers.

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Trade discounts available to legitamate accounts - mimimum purchase required. Call for more information.