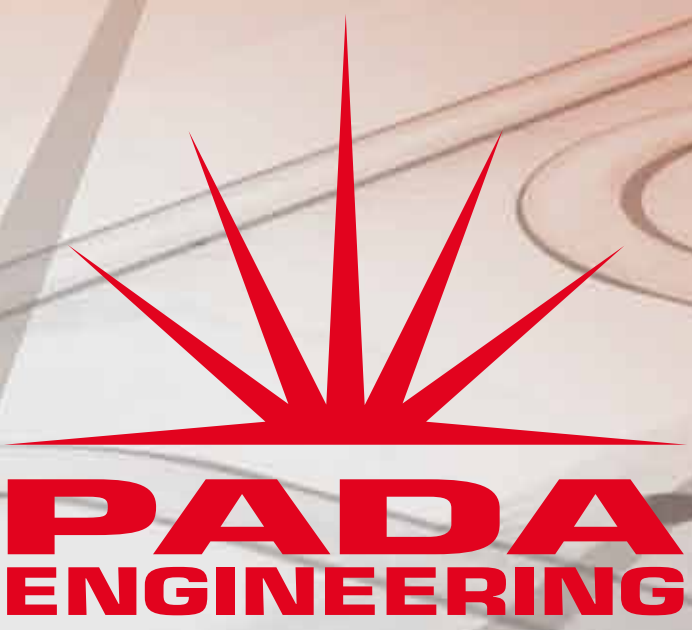




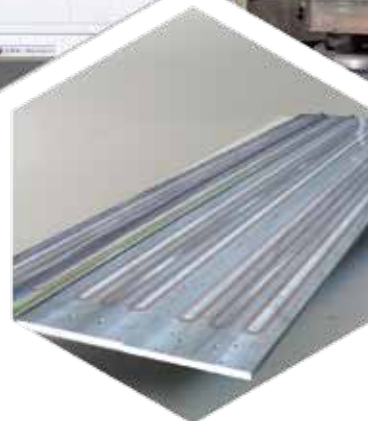
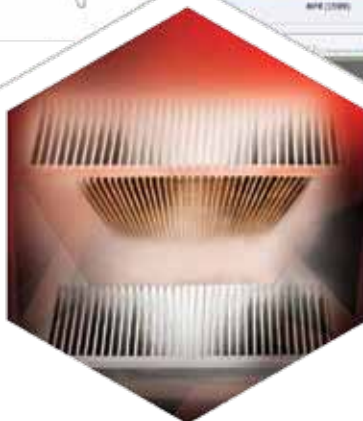
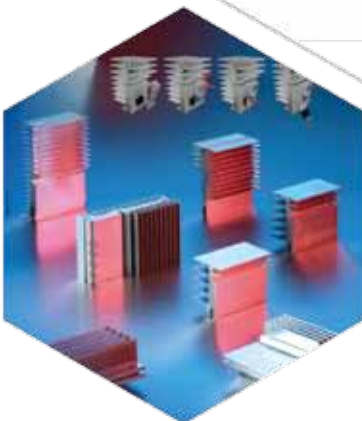
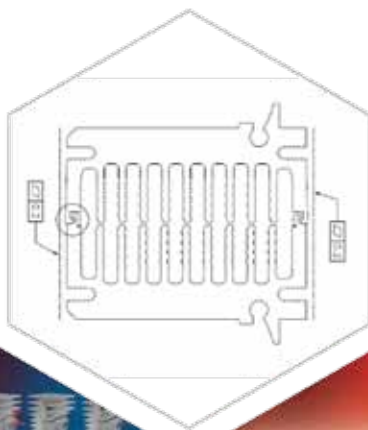
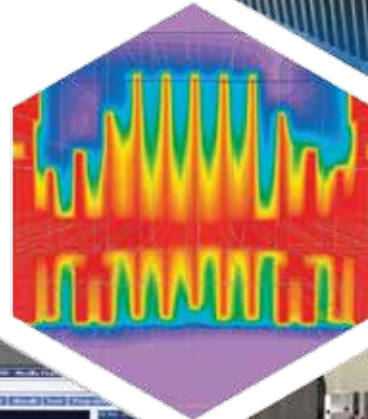
Total Thermal management

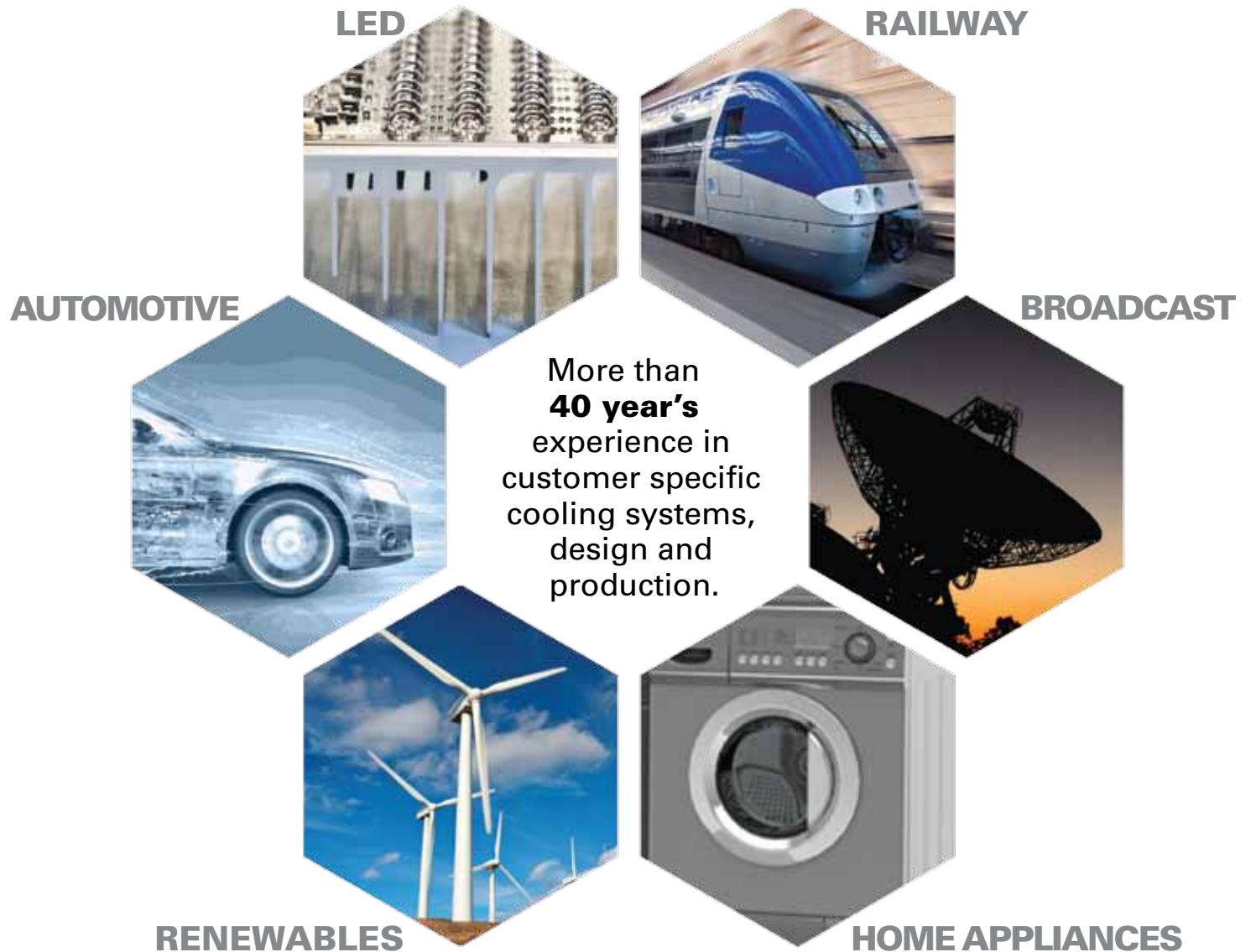




PadaEngineering

- ✓ THERMAL AND MECHANICAL ANALYSIS AND DESIGN
- ✓ FAST PROTOTYPING
- ✓ UPTO DATE CNC AND TECHNOLOGY
- ✓ CONTINUOUS QUALITY IMPROVEMENTS
- ✓ ISO 9001





Manufacturing, Materials, Processes

Machining

Deep machining, extremely low mechanical tolerances, very high accuracy in planarity and roughness.



Coatings

Anodization, Painting, Surtec, High performances in aggressive Environments (Thousands hours in salty habitat).



Gasketing

Customer specific path Gasketing, IP68xx protection, on flat surface/inside groove.

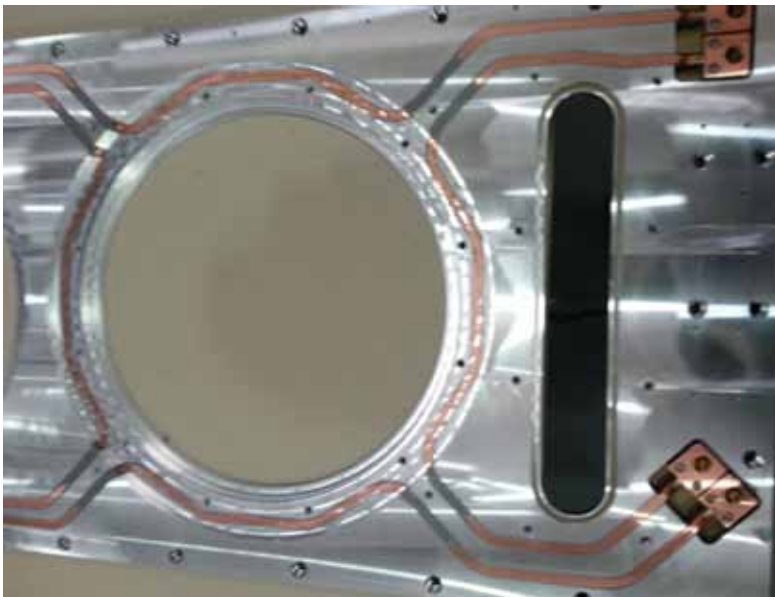


SuperPlate

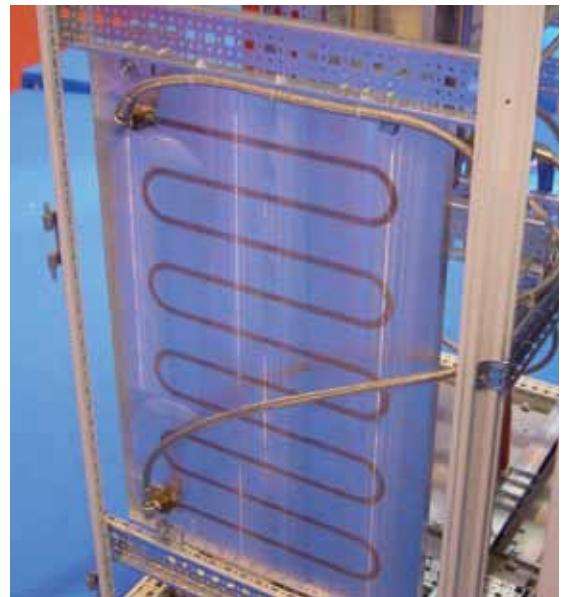
LATEST
GENERATION OF
LIQUID COOLERS
FOR POWER
ELECTRONICS

Special custom design Water Cooled Plates.

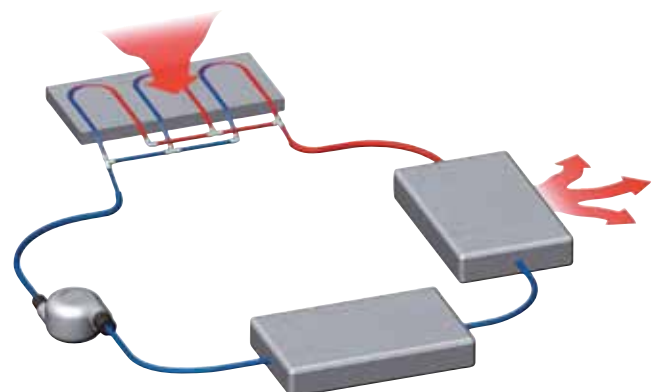
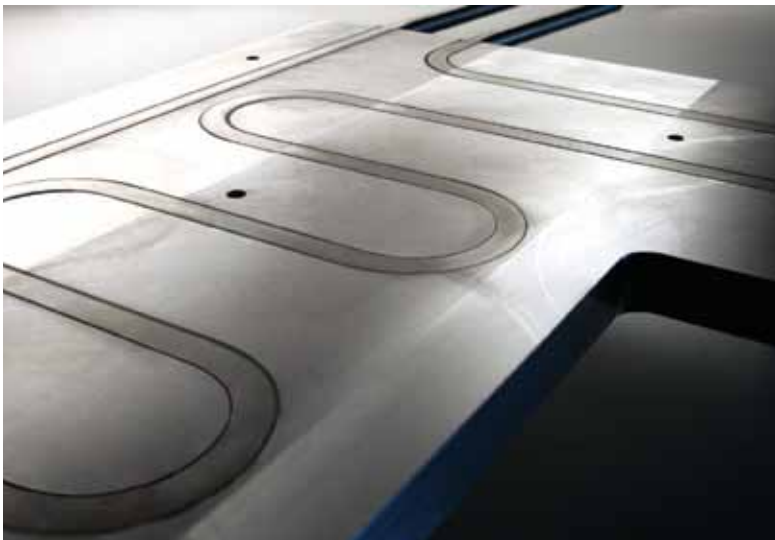
Copper pipes embedded in aluminium plates, in a rack application.



Stainless steel for aggressive fluids.



General Hydraulic schema

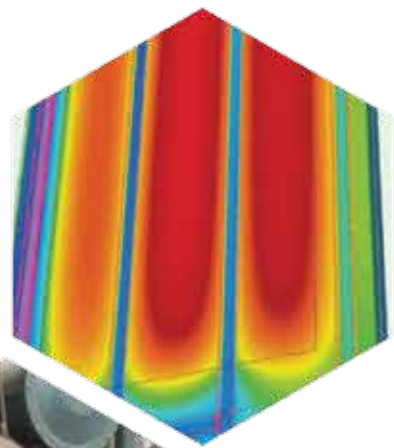




**VACUUM BRAZING
TECHNOLOGY**



**FLUID AND HEAT
SOFTWARE SIMULATION**



**DEEP HOLES
TECHNOLOGY**

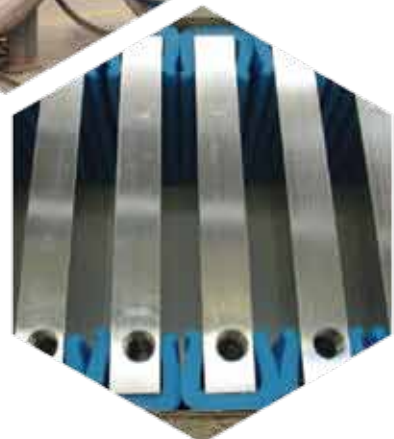
Cost Efficient
Reliable
100% Nitrogen
pressure test



**COPPER CUSTOM
SPECIFIC
COOLER**



**COPPER STANDARD
CONNECTORS
EMBEDDED**



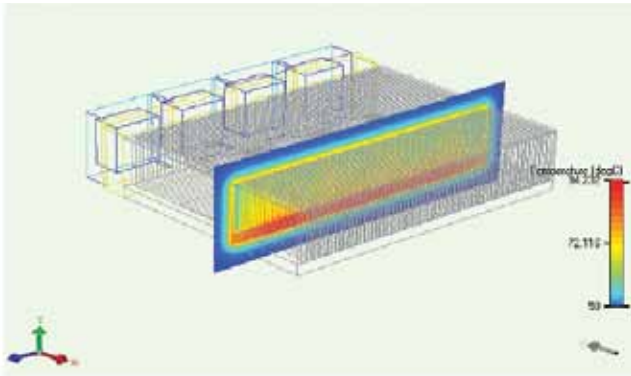
**WOODEN BOXES
100% PROTECTED
PACKAGING**

SuperPower

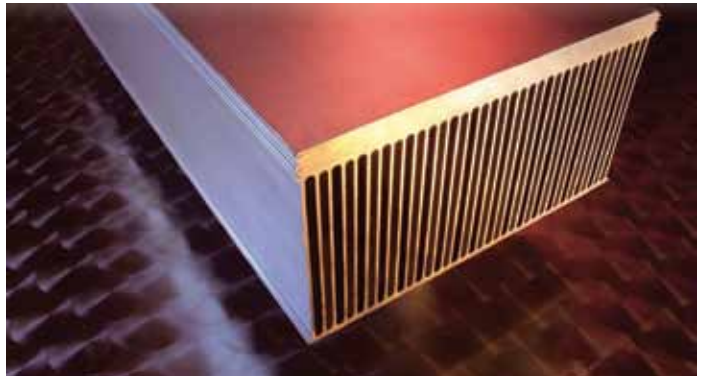
aluminium or copper

**HIGH
DENSITY
FIN HEATSINK
HIGH DISSIPATION
CAPABILITY
NO ASPECT RATIO
RESTRICTIONS
VARIABLE
PITCH**

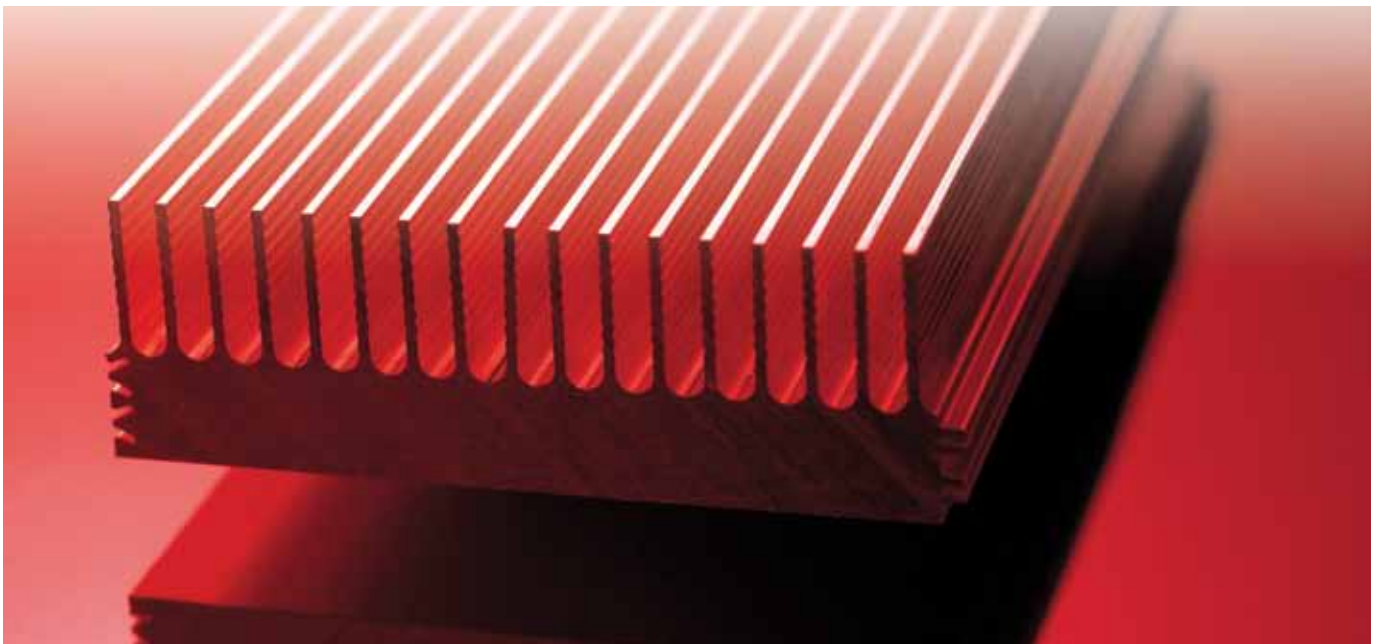
Detailed thermal analysis for temperature, flow rate, pressure drop, hot spot.

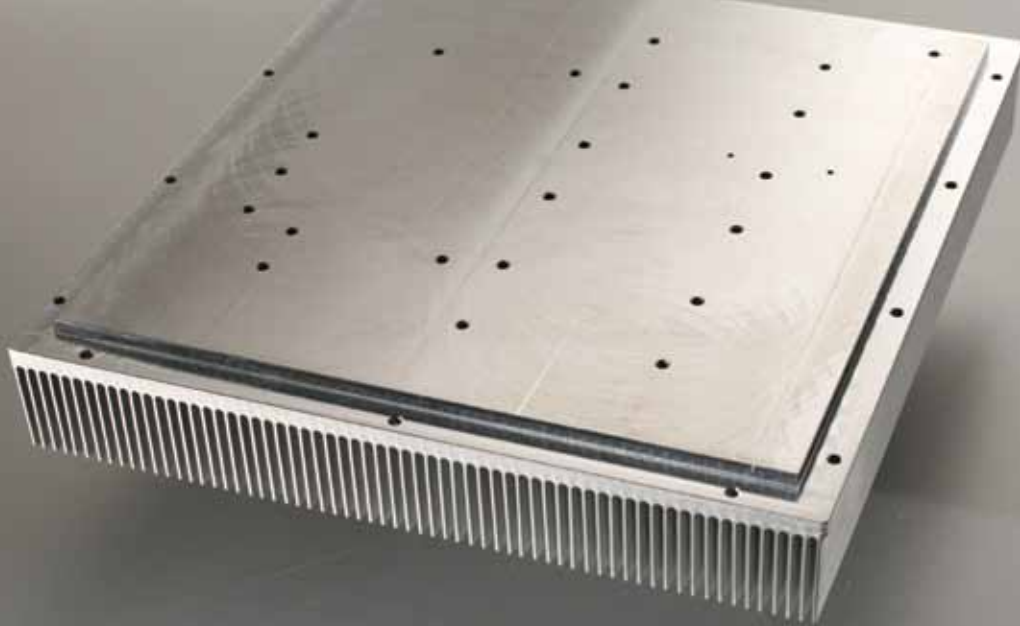


Single side, double side, air channels preformed.



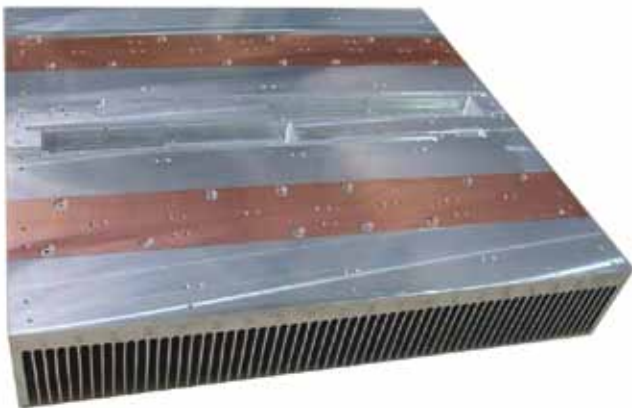
Fin design flexibility, custom shapes



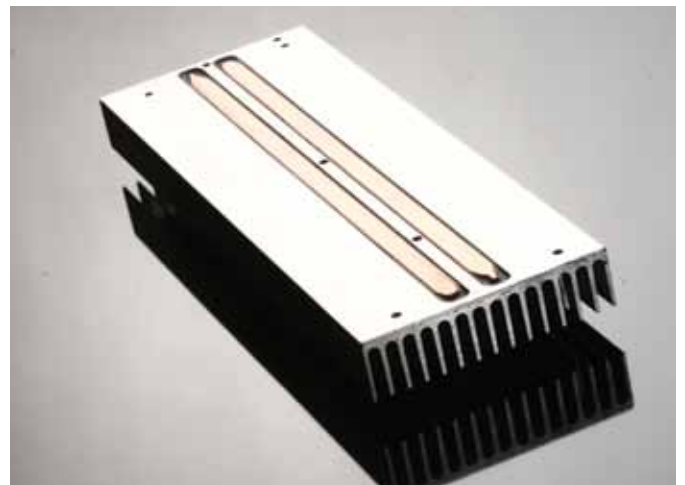


**ASSEMBLED
OR COLD
BONDED
LAMELLA**

**ALUMINIUM WITH COPPER
SPREADER**



**ALUMINIUM WITH
EMBEDDED HEAT PIPES**



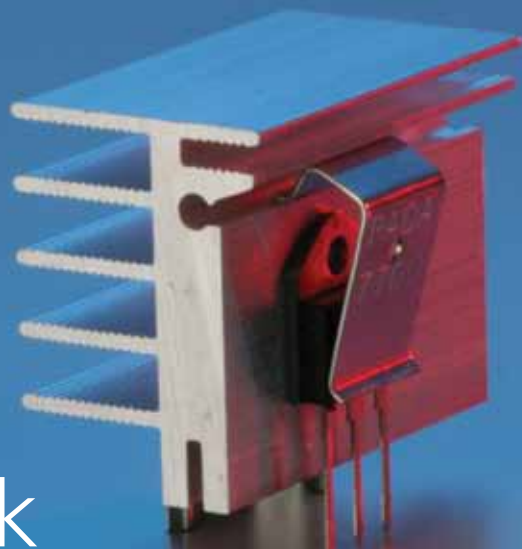
**COPPER BASE PLATE WITH
ALUMINIUM FINS**



**WHOLE COPPER
HEATSINK**



EasyClick



**TRANSISTORS
CLAMPING
SMALL, LIGHT,
FAST, RELIABLE**

Wide range of cost effective and smart heatsink for your electronic devices.

Just click in to mount



Just pull up to dismount





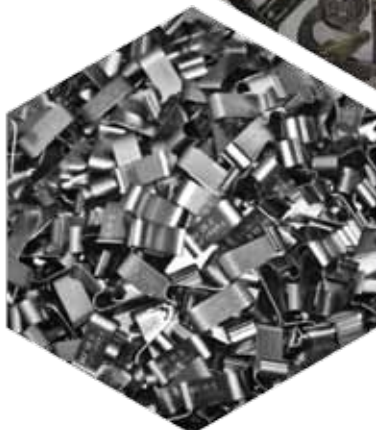
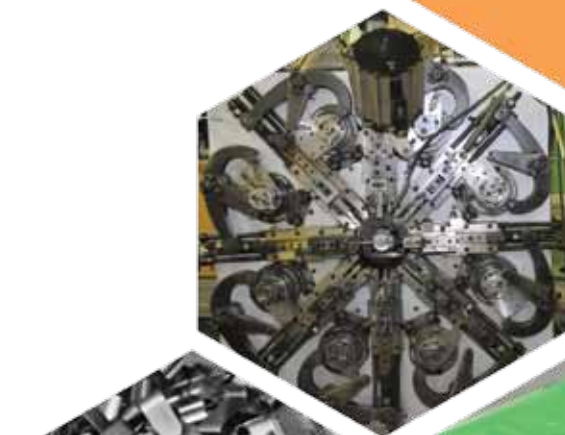
AVOID TROUBLE IN CASE OF VIBRATION

SAVE TIME IN MOUNTING/ DISMOUNTING

100% WARRANTY IN COMPONENT PRESSURE. →



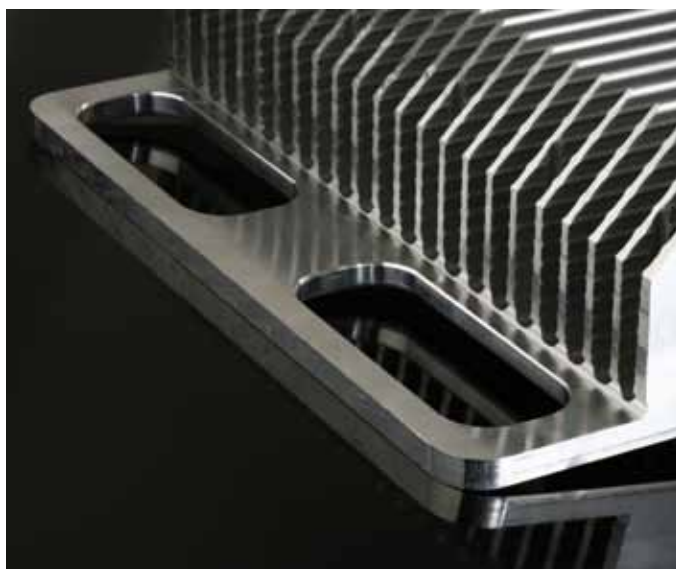
**100%
QUALITY
PROCESS**



Extruded Heatsinks

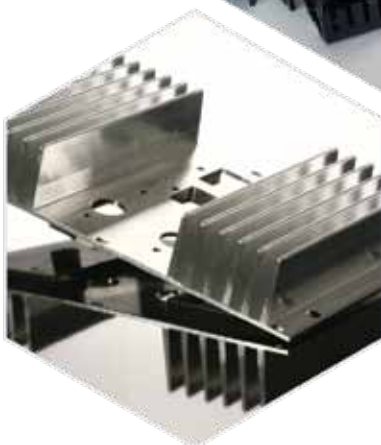
WIDE STOCK
RANGE
CUSTOM DESIGN
AVAILABLE

The most popular extruded heatsinks profiles are available in our stock: more than **800 different shapes**. Any kind of machining/surface treatment and coating is possible.



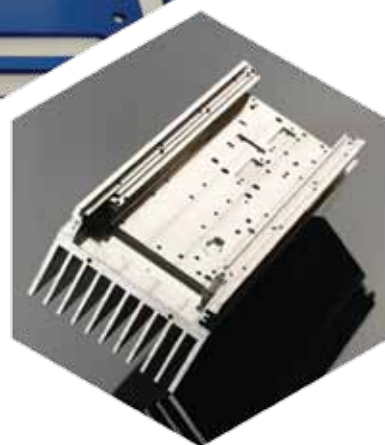


**PROGRESSIVE
STAMP
AND
PUNCHED
HEATSINK**



**ANY
KIND OF
NEW PROFILE
UPON REQUEST**

**COMPLETELY
FINISHED
PRODUCTS**





PCB-Standard Heatsinks

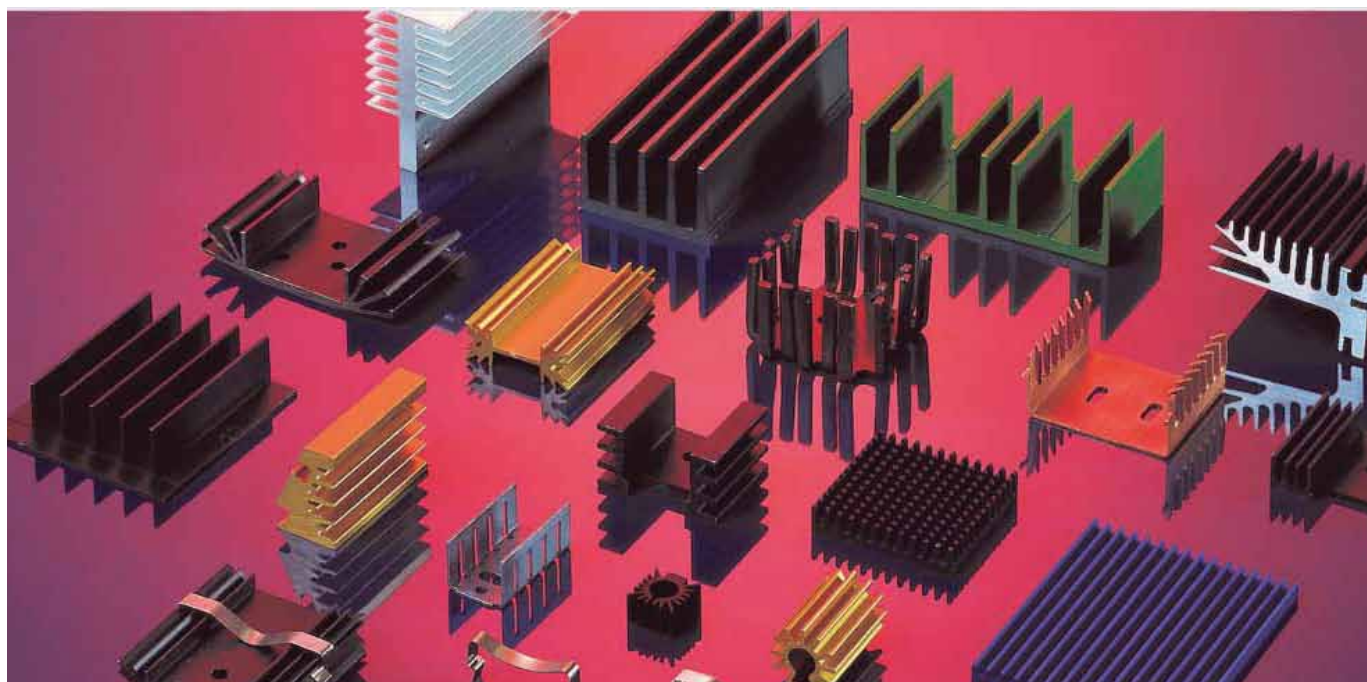
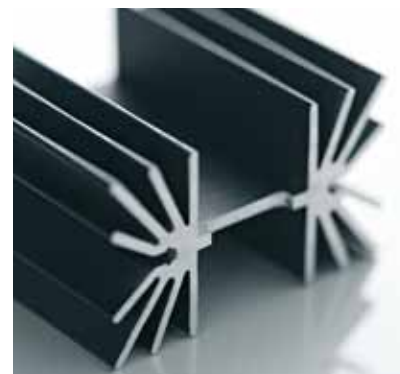
SMALL PACKAGING
BLACK ANODIZED
SOLDERABLE PIN

Heatsinks for pcb are available in stock. Produced from aluminium/copper coils or through extruded profiles. Stainless, solderable coated pins are also available in most of them.

Most well-known heatsinks for PCB



Extruded profiles



Liquid Cooling Units



COST EFFECTIVE
COOLING UNIT
**REDUCED SPACE
AND WEIGHT**
LONGLIFE AND HIGH
RELIABILITY

A new range of liquid cooling system named **"ICE"** is now available in Pada Engineering. Our system consists of a pump to circulate coolant, a liquid heat exchanger, an expansion tank, fan and all necessary electronics to take under control the temperature of your electronic system.

Several options like temperature, flow and pressure control, are available. Cooling capacity is from 500 W till 20 KW and more.

Custom design available



High thermal exchange features



PERFORMANCE

Cooling capacity 1,3000 Watts
Flow Rate 3 lpm @ 3 bar

OPERATION

Coolant Water or Water/Glycol
Operational temperature range 2 5°C to 40°C
Storage temperature range (w/o coolant)
-25°C to 70°C
Humidity range 20% to 80%
Input Voltage 230 VAC
Frequency 50/60 Hz
Noise < 67 dB(A)

PHYSICAL

Dimensions 42x35x19 cm
Weight (no coolant) 12 kg
Coolant Capacity- Stainless steel tank 4.0 L

100% quality components

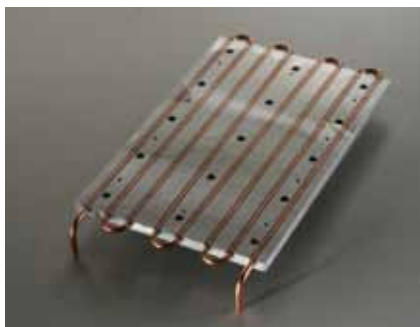
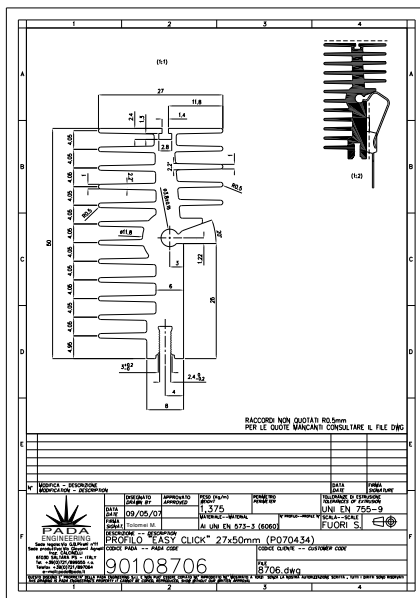
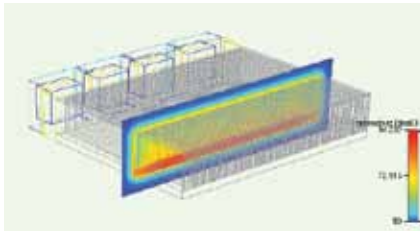
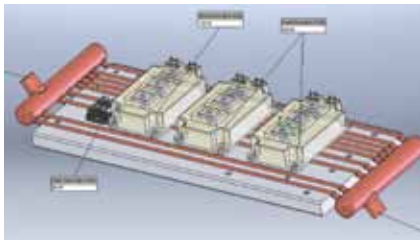


FROM DESIGN TO FINISH PRODUCT

DESIGN

THERMAL/
MECHANICAL
ANALYSIS

Finish **PRODUCT**



SPECIAL PRODUCT

GASKETING

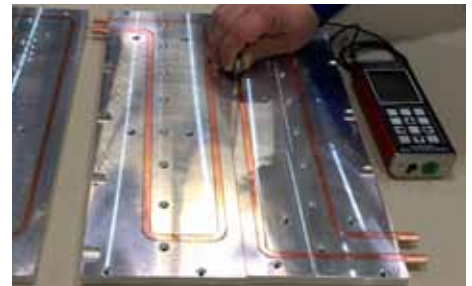
INSULATED
HEATSINK



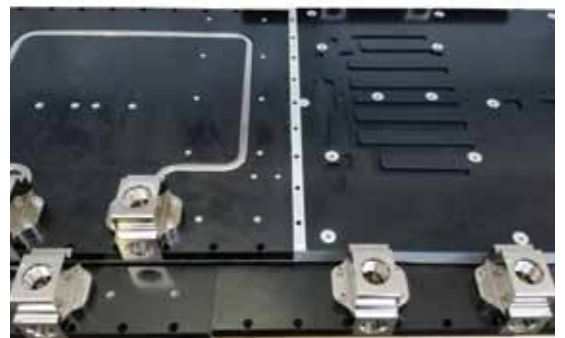


TEST/MEASUREMENT MACHINES

ULTRASOUND THICKNESS TEST DEVICE



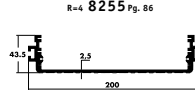
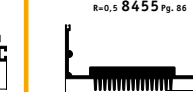
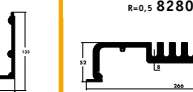
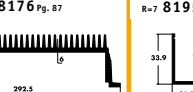
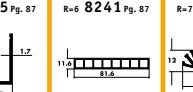
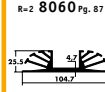
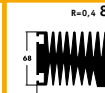
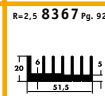
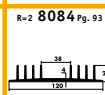
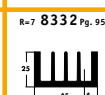
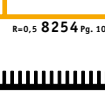
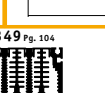
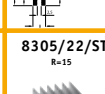
PRESSURE TEST SYSTEM



3D MEASUREMENT SYSTEM



TABLE OF EXTRUDED AND

 R=56 8120 Pg. 85	 R=20 8121 Pg. 85	 R=20 8224 Pg. 85	 R=15 8223 Pg. 85	 R=13 8222 Pg. 85	 R=13 8225 Pg. 85	 R=40 8152 Pg. 85	 R=13 8358 Pg. 85	 R=13 8437 Pg. 85	 R=13 8464 Pg. 85	 R=10 8428 Pg. 85	 R=10 8337 Pg. 85	 R=7 8357 Pg. 85																	
 R=4 8255 Pg. 86	 R=0,5 8455 Pg. 86	 R=0,5 8280 Pg. 87	 R=0,4 8176 Pg. 87	 R=7 8195 Pg. 87	 R=6 8241 Pg. 87	 R=7 8070 Pg. 87	 R=5 8005 Pg. 87	 R=2 8060 Pg. 87	 R=0,9 8138 Pg. 88	 R=0,7 8335 Pg. 88	 R=0,5 8031 Pg. 88	 R=0,6 8212 Pg. 88	 R=0,6 8237 Pg. 88	 R=0,6 8146 Pg. 88	 R=0,3 8394 Pg. 89	 R=0,4 8126 Pg. 89	 R=4 8404 Pg. 91	 R=0,4 8085 Pg. 89	 R=0,4 8126 Pg. 89	 R=0,4 8126 Pg. 89	 R=0,4 8126 Pg. 89	 R=0,4 8126 Pg. 89	 R=0,4 8126 Pg. 89						
 R=8 8363 Pg. 91	 R=8 8125 Pg. 91	 R=4 8312 Pg. 91	 R=4 8311 Pg. 91	 R=4,5 8000 Pg. 91	 R=4 8282 Pg. 91	 R=2,5 8258 Pg. 92	 R=2,5 8259 Pg. 92	 R=3 8448 Pg. 92	 R=2 8283 Pg. 92	 R=2 8449 Pg. 92	 R=7 8459 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92	 R=2,5 8367 Pg. 92
 R=10 8069 Pg. 93	 R=7 8006 Pg. 93	 R=5 8495 Pg. 93	 R=7 8361 Pg. 93	 R=5,5 8065 Pg. 93	 R=4 8055 Pg. 93	 R=4 8009 Pg. 93	 R=4 8230 Pg. 93	 R=3 8013 Pg. 93	 R=3 8044 Pg. 93	 R=4 8010 Pg. 93	 R=2 8329 Pg. 93	 R=2 8084 Pg. 93	 R=2 8329 Pg. 93	 R=2 8084 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93	 R=2 8329 Pg. 93
 R=1,5 8026 Pg. 95	 R=0,9 8024 Pg. 95	 R=0,9 8178 Pg. 95	 R=1,5 8021 Pg. 95	 R=9 8305 Pg. 95	 R=9 8412 Pg. 95	 R=3 8004 Pg. 95	 R=2,5 8425 Pg. 95	 R=10 8446 Pg. 95	 R=6 8431 Pg. 95	 R=8 8359 Pg. 95	 R=7 8310 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95	 R=7 8332 Pg. 95
 R=1,1 8383 Pg. 96	 R=3 8291 Pg. 96	 R=2 8460 Pg. 96	 R=1,1 8115 Pg. 96	 R=0,7 8048 Pg. 96	 R=0,7 8114 Pg. 96	 R=1 8313 Pg. 96	 R=0,8 8040 Pg. 96	 R=1,3 8039 Pg. 96	 R=1,5 8286 Pg. 96	 R=2 8410 Pg. 96	 R=1,5 8142 Pg. 97	 R=0,8 8484 Pg. 97	 R=1,5 8142 Pg. 97	 R=0,8 8484 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97	 R=1,5 8142 Pg. 97
 R=1,3 8356 Pg. 98	 R=1,2 8232 Pg. 98	 R=0,6 8390 Pg. 98	 R=0,7 8071 Pg. 98	 R=0,7 8179 Pg. 98	 R=0,4 8073 Pg. 98	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100	 R=0,5 8254 Pg. 100
 R=0,7 8235 Pg. 99	 R=1,2 8445 Pg. 99	 R=0,5 8433 Pg. 99	 R=0,7 8506 Pg. 99	 R=1,1 8315 Pg. 99	 R=1,3 8249 Pg. 99	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0,9 8341 Pg. 101	 R=0									

STANDARD HEAT SINKS

R=10 8430 Pg. 85	R=9 8441 Pg. 85	R=7 8360 Pg. 85	R=5 8442 Pg. 85	R=6 8170 Pg. 85	R=7 8209 Pg. 85	R=7 8002 Pg. 85	R=6 8169 Pg. 85	R=3 8419 Pg. 85	R=2 8272 Pg. 85	R=1,5 8263 Pg. 86	R=2 8328 Pg. 86	R=3 8243 Pg. 86
R=4 8067 Pg. 87	R=3 8143 Pg. 87	R=2 8090 Pg. 87	R=2 8016 Pg. 87	R=2 8186 Pg. 87	R=1,3 8124 Pg. 87	R=1,3 8092 Pg. 87	R=1,3 8174 Pg. 87	R=0,5 8238 Pg. 87	R=0,5 8168 Pg. 88	R=0,7 8289 Pg. 88	R=0,6 8145 Pg. 88	R=0,5 8030 Pg. 88
R=5 Pg. 89	R=0,4 8076 Pg. 89	R=3 8295 Pg. 91	R=0,4 8075 Pg. 90	R=3 8287 Pg. 91	R=3 8403 Pg. 91	R=1,8 8395 Pg. 91	R=8 8415 Pg. 91	R=4 8466 Pg. 91	R=4 8362 Pg. 91	R=3 8426 Pg. 91		
R=1,8 8308 Pg. 92	R=2 8260 Pg. 92	R=2 8261 Pg. 92	R=2 8301 Pg. 92	R=1,6 8113 Pg. 92	R=1,4 8323 Pg. 92	R=2,7 8262 Pg. 92	R=7 8456 Pg. 92	R=0,8 8391 Pg. 92	R=13 8007 Pg. 93	R=12 8028 Pg. 93	R=12 8127 Pg. 93	
R=1 8462 Pg. 94	R=1,5 8187 Pg. 94	R=1 8285 Pg. 94	R=1 8276 Pg. 94	R=4 8220 Pg. 94	R=1 8189 Pg. 94	R=0,6 8116 Pg. 94	R=1 8061 Pg. 94	R=1,5 8022 Pg. 94	R=2 8017 Pg. 95			
R=7 8334 Pg. 95	R=2,5 8364 Pg. 95	R=2,5 8372 Pg. 95	R=6 8299 Pg. 95	R=2,5 8411 Pg. 95	R=3 8173 Pg. 96	R=2 8353 Pg. 96	R=2 8424 Pg. 96	R=10 8380 Pg. 96	R=2 8333 Pg. 96	R=3 8476 Pg. 96	R=1 8461 Pg. 96	R=1 8385 Pg. 96
R=1,3 8198 Pg. 97	R=1,3 8119 Pg. 97	R=1 8373 Pg. 97	R=1 8265 Pg. 97	R=1,3 8365 Pg. 97	R=0,7 8214 Pg. 97	R=0,8 8314 Pg. 97	R=1,3 8417 Pg. 97	R=1,3 8192 Pg. 97	R=1,1 8141 Pg. 98	R=1,2 8188 Pg. 98		
R=0,3 8320 Pg. 98	R=0,3 8339 Pg. 98	R=0,4 8429 Pg. 99	R=1,2 8112 Pg. 99	R=0,4 8236 Pg. 99	R=1 8215 Pg. 99							
R=0,6 8134 Pg. 100	R=0,2 8247 Pg. 100	R=0,3 8317 Pg. 100	R=0,3 8217 Pg. 100	R=0,4 8344 Pg. 100	R=0,7 8374 Pg. 102							
R=0,2 8369 Pg. 101	R=0,13 8218 Pg. 101	R=0,4 8483 Pg. 101	R=0,10 8264 Pg. 101	R=0,08 8234 Pg. 101								
R=6 8375 Pg. 102	R=0,7 8376 Pg. 102	R=0,3 8149 Pg. 103	R=7 8226 Pg. 103	R=0,3 8216 Pg. 103	R=7 8479 Pg. 103	R=0,3 8480 Pg. 103	R=0,3 8485 Pg. 103					
R=0,4 8257 Pg. 104	R=3,5 8068 Pg. 105	R=3 8298 Pg. 105	R=2 8066 Pg. 105	R=0,8 8088 Pg. 105	R=0,7 8197 Pg. 105	R=0,7 8014 Pg. 105	R=0,5 8213 Pg. 105	R=0,6 8275 Pg. 105	R=0,5 8266 Pg. 106	R=0,5 8086 Pg. 106	R=0,9 8059 Pg. 106	R=0,9 8330 Pg. 106
8693	8702	8703	8705	8152 series	8127 series	8069/36/ST	8331/8/ST	8360/32/ST	8028 series	8170 series	8322/37,5/ST	8209 series
8426/50/STB	8358 series	8437 series	8357 series	8337 series	8428 series	8120/10/ST	8121/10/ST	8200/9/ST	8107 series	8166/55,5/ST	8165/36/ST	8162/20/ST

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