



# Isobar<sup>®</sup> Heat Pipes



**NEW**

DIAMETER	ISOBAR LENGTH (Isobars can also be manufactured to any length and other diameters)																		
	INCHES	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	
3/32																			
1/8																			
5/32																			
3/16																			
7/32																			
1/4																			
5/16																			
3/8																			
1/2																			
MILLIMETERS	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320				
2																			
3																			
4																			
5																			
6																			
8																			
10																			
12																			
15																			
16																			
18																			
20																			
25																			
30																			

Length Tolerances: +0.000/-0.060 inches  
+0.00/-1.50 millimeters

Standard sizes come with extractable end caps  
Ordering Information: HP-D X L

Custom sizes also available  
**ISOBAR<sup>®</sup> MUST NEVER BE CUT.**

### ISOBAR<sup>®</sup> INSTALLATION PROCEDURE

1. Inspect holes into which Isobars will be inserted to make sure that holes are free of oil or solvent contamination, as well as steel chips or other foreign debris.
2. Ensure that hole ends are deburred so as to cause no interference or galling of the Isobar<sup>®</sup> surface.
3. Apply a liberal amount of thermal paste over the Isobar's<sup>®</sup> entire length.
4. Apply a small amount of paste into the hole opening and begin to insert the Isobar<sup>®</sup> by alternately rotating and pushing the Isobar into the hole and withdrawing it slightly to ensure the entire surface of the Isobar<sup>®</sup> and the hole opening are coated with paste.
5. Insert the Isobars<sup>®</sup> (threaded end last) with hand pressure only. Never install an Isobar<sup>®</sup> by tapping, hammering, or using an excessive amount of force, as this will most often result in damage to the Isobars<sup>®</sup>.
6. Wipe off excess thermal paste from the tool with a soft cloth; do not use solvents.
7. In the event that the holes drilled for the Isobars<sup>®</sup> are exposed to the outer surface of the mold, these areas must be covered with a 1/8 inch or 3mm steel plate of suitable rigid insulation in order to completely encapsulate the Isobar<sup>®</sup> within the tooling confines. This should be done as a safety concern to prevent damage resulting from the possible overheating of the tool in excess of 550° F or 280° C.

**CAUTION: EXPOSURE OF ISOBAR<sup>®</sup> TO EXCESSIVE TEMPERATURES OR IMPROPER USE MAY CAUSE DAMAGE OR PERSONAL INJURY.**

ISOBAR<sup>®</sup> is a registered trademark of Acrolab Ltd.

## Thermally Conductive Paste

CATALOG NUMBER	VOLUME
TCP-1	5 GR.
TCP-4	4 OZ.
TCP-8	8 OZ.
TCP-16	16 OZ.

NOTE: Although thermal paste is inert, rubber gloves are recommended to keep hands clean.

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