



TAI's THERMAL STRAP DESIGN QUESTIONNAIRE AND ORDERING FORM

In order to identify the best thermal strap product and design, and to order your thermal straps, please provide the following information:

1. Is your application/program for Commercial, Research, or Military/Defense purposes, and is it going to be used in a space, airborne, or terrestrial application?
2. What is the required thermal conductance or heat to be moved and the **temperature drop/delta T** (W/K or W/C)?
3. What are the expected operating temperatures of the heat source and heat sink?
4. What is the geometry of the heat source and sink areas? Please provide a dimensional sketch showing the heat source, heat sink, distance between them, potential offset, and any specific routing requirements. We can also accept pictures and .stp files.
5. Are there any mass restrictions?
6. What is the expected amount of relative motion between the heat source and heat sink, including any vibration?

7. Will aluminized mylar sleeves be required—for emissivity or other reasons—if using a copper strap? Note that while our unencapsulated copper straps have never created a FOD or particulate issue with any customer, they are made from cables, so some customers request the sleeves as an added protection. We can also machine small “steps” into flat fittings as needed (but not wrap the strap), if you plan on wrapping it on your own, with whatever material you prefer. This will save you money, makes attaching the sleeves easier, and allows a flat fitting to be bolted to an interface without damaging the sleeve material.

8. Can multiple units be used at different locations to meet the conductance requirements?

9. How many units are required?

10. What are the anticipated need date(s)?

- 11. If you know which thermal strap product(s) and model(s) your application requires (and you have flexible portion lengths and bolt patterns), and are ready to order your parts, please list the desired products below. Please be sure to complete questions 11 and 12, and send this questionnaire to our Director of Business Development for your quote.**

12. What is your shipping address (note TAI only ships DAP via FedEx)?

13. What is the email and phone number of the best point of contact for the quote and shipping?