

We are a world leader in the provision of innovative sandwich composite solutions that make our customers products light, strong and competitive.

DIAB's offerings include high performance core materials, cost effective kits and a comprehensive range of engineering and process support services.

We provide composite solutions to a wide range of markets including: wind energy; commercial, military and pleasure marine; transportation; aerospace; industry and construction.

With personnel located throughout the world via 16 sales and technical support operations, we are able to offer worldwide support to our global customer base. We have manufacturing units in China, Ecuador, India, Italy, Lithuania, Sweden and the USA.

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DIAB is a registered trademark in countries all over the world.



www.diabgroup.com

Australia
Tel +61 (0) 457 837 937
E-mail: info@au.diabgroup.com

China
Tel +86 (0)512 5763 0666
E-mail: info@cn.diabgroup.com

Denmark
Tel 45 48 160 470
E-mail: info@dk.diabgroup.com

France
Tel + 33 (0)5 56 47 20 43
E-mail: info@fr.diabgroup.com

Germany
Tel +49 (0)511 42 03 40
E-mail: info@de.diabgroup.com

India
Tel +91 (0)44 42 31 67 68
E-mail: info@in.diabgroup.com

Italy
Tel +39 0437 77 68 17
E-mail: venditeitalia@it.diabgroup.com

Norway
Tel +47 66 98 19 30
E-mail: info@no.diabgroup.com

Poland
Tel: +48 602 449 660
E-mail: info@pl.diabgroup.com

Singapore
Tel + 65 6396 5109
E-mail: info@sg.diabgroup.com

Spain
Tel +34 980 167 982
E-mail: info@es.diabgroup.com

Sweden
Tel +46 (0)430 163 00
E-mail: info.se@se.diabgroup.com

Thailand
Tel +66 (0)38 465 388
E-mail: info@th.diabgroup.com

United Arab Emirates
Tel +971 (0)4 3371587
E-mail: info@ae.diabgroup.com

United Kingdom
Tel +44 (0) 1452 623941
E-mail: info@uk.diabgroup.com

USA
Tel +1 (972) 228-3500
E-mail: info@us.diabgroup.com

If your country is not listed above, please check our web site for details of your nearest DIAB distributor or agent.

Core Kits



- Core is ready to use
- Speeds construction time
- Higher component accuracy
- Improves quality
- Ideal for infusion
- Reduces material inventory
- Frees up valuable production space
- Minimizes material wastage

Kits Broch-Eng-Feb_12-Rev.7.0



Features & Benefits



Digitizing mold templates.



The digitized kit component.



The latest CAM manufacturing equipment.

The Kit Concept

For those involved in serial production, DIAB core materials can be supplied in ready to use kits to optimize efficiency throughout the manufacturing cycle.

With the DIAB kit concept each piece is pre-cut, shaped and formed as necessary to high tolerances, and numbered to fit exactly into its pre-designated place in the mold. This approach has major operational and cost saving benefits. It can substantially reduce build times, save labor costs by eliminating the on-site shaping and cutting of flat sheets and free-up valuable production space. Further time is saved by speeding the lay-up process as each core kit component can be rapidly placed into its correct position in the mold without the need for subsidiary trimming and fitting operations. In addition the core kit components can be pre-drilled and/or grooved to facilitate subsequent processing operations such as vacuum-bagging and resin infusion. The end result is a higher quality component, the virtual elimination of core material wastage and a reduction in inventory levels.

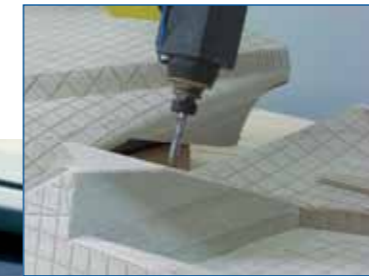
Service & Support

Unrivalled Customer Support

DIAB pioneered the core kit concept more than two decades ago and now offers an unrivalled level of service and support throughout the world. Its plants in China, India, Italy, Lithuania, Sweden and the USA all have extensive kit manufacturing facilities where the latest CAD/CAM equipment is used to design and produce a wide range of core kits for transportation, wind energy and marine applications. There is no real limit in terms of size or complexity with kits being produced for everything from a small dinghy to an ocean-going ship and a 60 meter wind turbine blade.

With its extensive experience the DIAB team is ideally placed to ensure that a customer is maximizing the benefits of choosing the core kit approach. The first stage of the process is for DIAB personnel to convert a customer's CAD or 'traditional' drawings into the kit parts. Then the most appropriate and cost-effective manufacturing and fabrication techniques are selected. A prototype kit is then produced so that everything can be carefully checked and approved by the customer prior to the commencement of full scale production.

Parts are machined to high tolerances.



Each part is ready to use out of the box.



Each piece fits into its designated place.

