

INTELLIGENT CRUISING

ABACO 40

 BRUCKMANN



HULL SHAPE DOES MATTER!

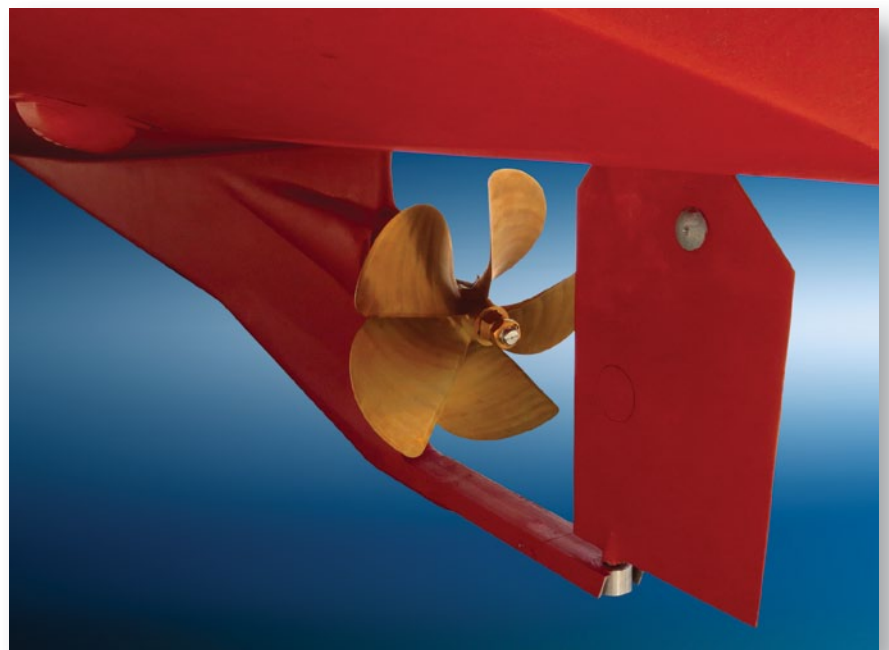
The **Abaco 40** is the latest iteration of **Mark Ellis Design's** Power Chine hull form. First developed by **Mark Ellis** and **Bruckmann Yachts** in 1994, this innovative design has produced a series of very unique cruising yachts.



The **Ellis Power Chine** hull form was developed to make use of the good seakeeping characteristics of the Deep-V hull configuration while improving on that form's lack of good handling and poor fuel efficiency at lower planing speeds. This was realized by using the Deep-V's forward hull shape and altering the cross-sectional shape aft of the midsection to create broad horizontal flats at the chine (the corner of the topsides and bottom surfaces). These flats provide substantial planing lift surfaces aft on the hull not possible in the Deep-V configuration.



The result is that the **Abaco** hull is on a full plane at a low speed, typically 10 knots, requiring less power and fuel burn with better handling characteristics at low to moderate cruising speeds than Deep-V hulls, which typically fall off of plane at lower speeds. Deep-V's are poor performers under 18 knots and notably require larger engines that consume fuel heavily. Alternatively, the **Abaco** hull form cruises happily and very efficiently at lower speeds, providing a more comfortable ride in rough seas, and exhibits great performance and seakeeping in the high cruising speed range.



The skeg adds stability in a seaway while protecting the running gear

Put quite simply, the Deep-V hull is highly suitable for offshore speed but the **Abaco 40** hull form is the smart choice for comfortable cruising in all conditions.