



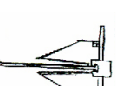

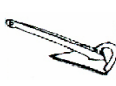





CHARACTERISTICS OF ANCHORS USED ON YACHTS

Shape Of Holding Surface	Type	Brand or Common Name	Holding Power Overage Upon Admiralty (On Sand)	Holding Ability When Wind Blow Back.	POSITIVE FEATURES	NEGATIVE FEATURES
VERY SMALL		*Admiralty *Fisherman *Kedge *Luke *Herreshoff	1	70%	*Narrow profile and pointed flukes easily penetrate rocky bottoms and grasses and provides good holding.	*Due to having small holding surface, comes loose when it is forced in sand and mud . * It is too projecting and can not align itself to settle onto the pulley. *Under changing wind direction, chain can go around anchor's arm and make anchor come loose.
CONVEX		*CQR *Sascot *Soc *Plough *Plow	3.4	30%	*Shape of anchor holds well in most bottom conditions. *Shape fits well in most bow rollers	*Hard to set intially in the sea floor. Requires experience. When set it may come loose under high load forces by splitting the sea floor with its plow shape. *The articulated anchor shank lays to the side when at rest and does not add to the tip weight to help set the anchor. The anchor shank is found to lay on the bottom as anchor repositions. *Anchor shank may hit the jib furling reel. *When direction of pull changes, head of anchor does not turn same way as chain because of articulated shank. This causes anchor to come loose to one side. *Articulated shank has a pinch point that may hurt fingers when handling in rough conditions. *Cast CQR Anchors may break. Forged steel CQRs are strong but expensive.
		*Delta *Quick Set *Kobra	1.8	40%	-----	*Due to tip position in relation to anchor shank it can not hold easily. *Holding power is low. *When recovering anchor onboard, if anchor comes out backward it may not align itself to settle onto the bow roller.
FLAT		*Danforth *Sentinel *Hooker *Fluke	3.5	50%	*Holds good in sand and mud. *Style stores well below deck because of flat profile.	*Due to its center of gravity is away from fluke tip, it is difficult to set in gravel and rough bottom. *Wide wings are difficult to catch in rock bottom. *If it is jerked, it does not hold well and slips. *The protruding top bar may hang up and make anchor hard to handle.
		*Fortress *Guardian *Bulldog	3.5	50%	*If it can be set, holds well in sand and mud. *It is easily thrown from vessel by hand due to light weight.	*Made of aluminium, wing tips are too light, hard to penetrate in the bottom. *When thrown, may not directly touch bottom because it is light. Chain touches bottom first, this makes it hard to set. Requires experience to use. *Requires different arm angles for each ground type. If you set at 32°, adjust for sand to mud bottom, can not easily hold, slips. If you throw 45° adjusted for mud to sand, it is difficult to recover. 45° angle is not advisable for rocks. *Due to its light weight , may require more scope than heavier anchors.
		*Brittany	1.9	30%	*Lack of protruding top bar makes it easier to handle than other single plan type anchors. However, it does not have the advantage of the protruding rod to assist over turning.	*Flukes may not in set sea floor at the same time because of open space between flukes. Under load set fluke keeps its position but anchor shank pulls the other fluke out. It falls over that side by chain's pull causing anchor to slip because of these movements. *Even when totally set under heavy load may turn in the ground and come loose.
		*Bügel *The Claw	1.3	35%	*Sets quickly, however it does not bury itself deeper. Copies are cheap because it's shape is easy to duplicate.	*Holding power is low because, it does not go in deep in bottom. *The half circle on back makes it hard to set. *While recovering if it comes out backwards, hard to align itself to settle on the bow roller. *If it is stuck between rocks, under heavy loads, it bends.
CONCAVE		*Spade	2.8	60%	*Sets Quickly. *Does not come loose even under extra forces.*Reliable.	*Connection between arm and head is weak. *Chain will foul easily if it passes over side arms. *Inside of shank is not sharp therefore it can not mash grasses. * Hard to stuck in mud.
		*Bruce *Horizon Claw *Claw	3.5	60%	*Sets Quickly in sand with short scope. *Recovers easily	*Does not hold on grass, side flukes handicaps anchor from setting and makes it slip. *Side flukes also blocks it from setting in rocks. Its tip is not pointed so it does not penetrate easily. * May require special handling device to align it to the boat's bow roller.
MIXED (Convex+ Plane+ Concave)		*Ultra	3.7	85%	*Does not require experience to use. *Immediately sets. Does not dragged and is not destructive for sea floor. *Holds well on reverse slope with its curved tip. *Buries itself deeper and holds excellent under increasing wind condition. *Does not require second anchor because of its high holding power. *Even under changing wind directions does not come loose. *Automatically aligns itself to settle onto the bow roller. *It fits to the boat's bow roller. *Easily cleaned. *Made of 316 quality stainless steel, no further need for galvanization. *It looks great. Makes your boat more beautiful.	*Under unfavorable weather conditions should it be well set, it may resist when you want to recover it. However, if you pull vertically on the chain and wait for a short time it loosens.



Quickline USA
 16822 Bolero Lane
 Huntington Beach, CA 92649
 714-843-6964 x 210
 714-843-6906 FAX
 www.quickline.us randy@quickline.us