

Rudder Torque Data Sheet

NAME: _____

CONTACT: _____

DISPLACEMENT HULLS ONLY

HULL DATA

HULL DIMENSIONS:

LOA _____ SAIL _____

BEAM _____ OTHER _____

DISPLACEMENT _____ TOP SPEED _____ Knots

DRAFT _____ USE: _____

NO. STEERING STATIONS _____

POWER DATA

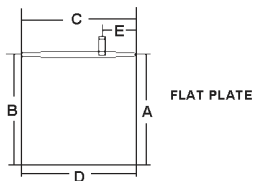
EACH SHAFT HORSEPOWER _____

PROP DIAMETER: _____

SINGLE ENGINE

TWIN ENGINE

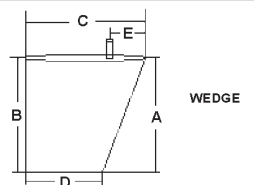
RUDDER DATA



RUDDER ARC (Midship to Hardover): _____ Degrees

RUDDER AREA: _____ Square Ft.

NO. RUDDERS One Two



RUDDER DIMENSIONS:

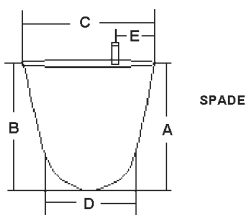
(A) Height _____ In.

(B) Height _____ In.

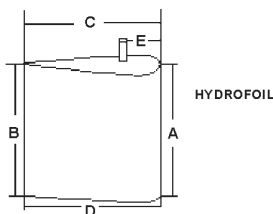
(C) Width _____ In.

(D) Width _____ In.

(E) Counter-balance _____ In.



(CIRCLE TYPE OF RUDDER)



Print/Scan COMPLETED form.

email to: seastar@seastarsolutions.com or, fax to: **604-270-7172**

Estimated load on rudder ft-lbs
(It is suggested that you confirm load with your Naval Architect.)

Please include a detailed dimensioned drawing of your rudder.

Rudder Torque Data Sheet

PLANING HULLS ONLY

Name: _____

Contact: _____

Speed of vessel:..... _____ knots

Length of vessel:..... _____ ft. _____ in.

Catamaran:..... Yes No

Number of rudders:..... _____

Propeller diameter:..... _____ ft. _____ in.

Perpendicular distance from the rudder shaft to the propeller:..... _____ ft. _____ in.
(See diagram, dimension 'A'.)

Distance parallel to the rudder shaft from rudder base to the center of lower rudder bearing: _____ ft. _____ in.
(See diagram, dimension 'B'.)

Perpendicular distance from the waterline to the rudder base:..... _____ ft. _____ in.
(See diagram dimension 'C'.)

Average rudder chord length: _____ ft. _____ in.
(See diagram, dimension 'D'.)

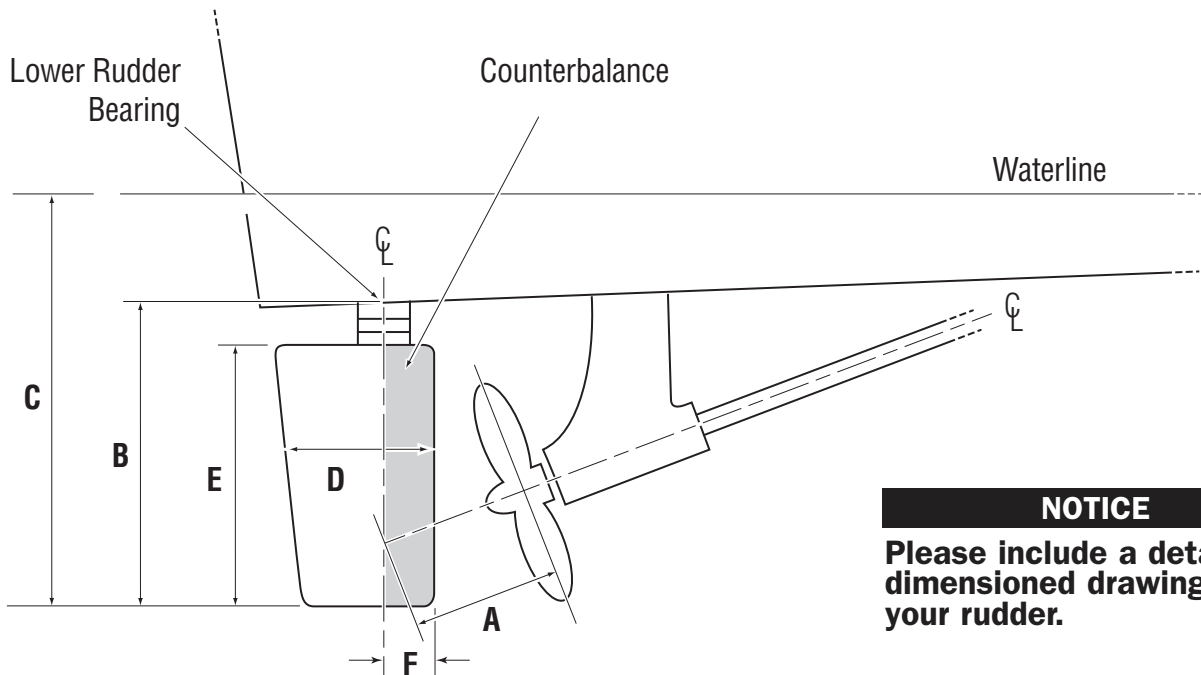
Rudder shaft diameter:..... _____ in.

Engine power:..... _____ HP

Rudder (projected) area:..... _____ sq. ft.
(Rudder height x width minus counterbalance height x width. See diagram, dimensions ('D' x 'E') – ('F' x 'E'.))

Estimated load on rudder: ... _____ ft-lbs
(It is suggested that you confirm load with your Naval Architect.)

NOTE: Formula presumes a 23% – 27% counterbalance.



NOTICE
Please include a detailed dimensioned drawing of your rudder.

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