

BERLIN

(ship's dimensions in metres)



**Sitting on the
PIVOT POINT ...**

		BERLIN 38 000 Dwt	
Length o.a		8,56	
		214	
Breadth		1,15	
		28,80	
Loaded draught		0,43	
		10,92	
Loaded displ.MT		3,26	
		51 000	
Ballast draught	F	0,20	
		5,00	
	A	0,30	
		7,70	
Ballast displ.MT		1,83	
		29 000	
Normal S.H.P.		0,224	
		17 500	
Angular rudder rate (Deg/sec)		15,5	
		3,1	
Bow thruster S.H.P.	Stern thruster S.H.P.	0,025	
		1500	
Chain lenght		no chain	
		-	
Block coefficient		0,79	

GRENOBLE

(ship's dimensions in metres)



		GRENOBLE	
		43 000 Dwt	
Length o.a		7,92	
		198	
Breadth		1,18	
		26,50	
Loaded draught		046	
		11,54	
Loaded displ.MT		3,52	
		55 000	
Ballast draught	F	0,29	
		5,80	
	A	0,23	
		7,32	
Ballast displ.MT		1,95	
		31 000	
Normal S.H.P.		0,224	
		17 500	
Angular rudder rate (Deg/sec)		13,0	
		2,6	
Bow thruster S.H.P.	Stern thruster S.H.P.	0,025	
		1 100	
Chain lenght		no chain	
		-	
Block coefficient		0,82	

GILDA

(ship's dimensions in metres)



The Gilda has variable Draught : 10.3 m to 12.3 m

The Gilda has an optional BECKER rudder

		GILDA	
		125 000 Dwt	
Length o.a		10,96	
		274	
Breadth		1,68	
		42,00	
Loaded draught		0,62	
		15,52	
Loaded displ.MT		9,55	
		149 000	
Ballast draught	F	0,30	
		7,37	
	A	0,46	
		11,59	
Ballast displ.MT		5,61	
		88 000	
Normal S.H.P.		0,308	
		24 000	
Angular rudder rate (Deg/sec)		17,5	
		3,5	
Bow thruster S.H.P.	Stern thruster S.H.P.	0,050	0,050
		1 500	1 500
Chain lenght		14	
		350	
Block coefficient		0,830	

BRITTANY

(ship's dimensions in metres)



The Brittany has variable Draught : 13.2 m to 16 m

		BRITTANY	
		190 000 Dwt	
Length o.a		12,84	
		321	
Breadth		1,89	
		47,20	
Loaded draught		0,74	
		18,45	
Loaded displ.MT		14,40	
		225 000	
Ballast draught	F	0,41	
		10,37	
	A	0,48	
		11,90	
Ballast displ.MT		8,39	
		131 000	
Normal S.H.P.		0,41	
		32 000	
Angular rudder rate (Deg/sec)		12,5	
		2,5	
Bow thruster S.H.P.	Stern thruster S.H.P.	0,050	0,050
		3 000	3 000
Chain lenght		11,60	
		290	
Block coeffcient		0,83	

EUROPE

(ship's dimensions in metres)



		EUROPE	
		255 000 Dwt	
Length o.a		13,92	
		348	
Breadth		2,07	
		51,80	
Loaded draught		0,80	
		19,98	
Loaded displ.MT		18,60	
		291 000	
Ballast draught	F	0,37	
		9,15	
	A	0,46	
		11,59	
Ballast displ.MT		9,23	
		144 000	
Normal S.H.P.		0,41	
		32 000	
Angular rudder rate (Deg/sec)		13,0	
		2,6	
Bow thruster S.H.P.	Stern thruster S.H.P.	0,050	0,050
		3 000	3 000
Chain lenght		12,30	
		307,5	
Block coefficient		0,83	

ANTIFER

(ship's dimensions in metres)



**The Antifer has variable
Draught : 14.5 m to 19.5 m**

Usual draught is 15 m

		ANTIFER 400 000 Dwt		
Length o.a			14,48	
			362	
Breadth			2,80	
			70,00	
Loaded draught			2,88	
			21,96	
Loaded displ.MT			30,13	
			471 000	
Ballast draught	F			0,34
				8,24
	A			0,50
				12,81
Ballast displ.MT			14,05	
			219 000	
Normal S.H.P.			0,57	
			45 000	
Angular rudder rate (Deg/sec)			10,5	
			2,1	
Bow thruster S.H.P.	Stern thruster S.H.P.	0,100	0,05	
		6 000	3 000	
Chain lenght			14	
			350	
Block coeffcient			0,89	