



TO REQUIREMENTS AND TEST OF GERMANISCHER Lloyd.

LENGTH OVER ALL 324.00 m.
BREADTH MOULDED 16.60 m.
LOADED DRAFT 7.30 m.
RUDDER SURFACE AREA 11.00 m²
C.G. 102 CM FROM CENTRAL LINE PINTLES
SPEED NORMAL 14.5 kn
SPEED FOR RUDDER CALCULATION 15.5 kn
HELM 35 °

PART NO.	NAME	MATERIAL	REMARKS
A	1 TOP RUDDER ARM	304 ANNEALED CAST STEEL	
B	1 BOTTOM "	"	
C	1 RUDDER STOCK	FORGED SM STEEL	
D	6 FITTING BOLTS 3" THREAD, NUT 2.500 IN	SM STEEL	
E	20 SCREWS C.N. 3/4"	MUNTS METAL	
F	1 LOCKING SCREW 1"	"	
G	2 PLUG 1"	"	
H	1 RUDDER	SM STEEL	
J	1 FILLING PIECE	FORGED AND STEEL	
K	1 PINTLE	FORGED STEEL	
L	2 NUT 5" THREAD	MILD STEEL	
M	2 SPLIT PIN 16 mm	"	
N	2 WASHER	"	
O	1 PINTLE BUSH	MUNTS METAL	
P	1 GUIDON BUSH	WHITE METAL	
Q	1 WASHER	M STEEL	
R	1 TAPBOLT 1/2" THREAD	"	
S	1 BOTTOM BOTTLE	M STEEL HARD	
T	1 BOTTOM PINTLE BUSH	MILD STEEL	
U	1 BOTTOM GUIDON BUSH	HARD STEEL	
V	1 HEEL PINTLE PIN	"	
W	2 JOWEL 1/2" THREAD	MUNTS METAL	
X	1 SET SCREW 1/2" THREAD	"	
Y	1 LOCKING WASHER	MILD STEEL	
Z	1 LOCKING PLATE	"	
a	1 SCREW	"	
b	6 1/2" SCREWS C.N.	MUNTS METAL	
c	2 1/4" SCREWS R.H.	"	
d	1 1" EYEBOLT	MILD STEEL	

1/2 Empire Confidence

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APPROVED BY GERMANISCHER Lloyd AT 10:15 PM 24.5.14

RUDDER.
(K 1010125)

SCALE: 1:10 - 1:5 - 1:1

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