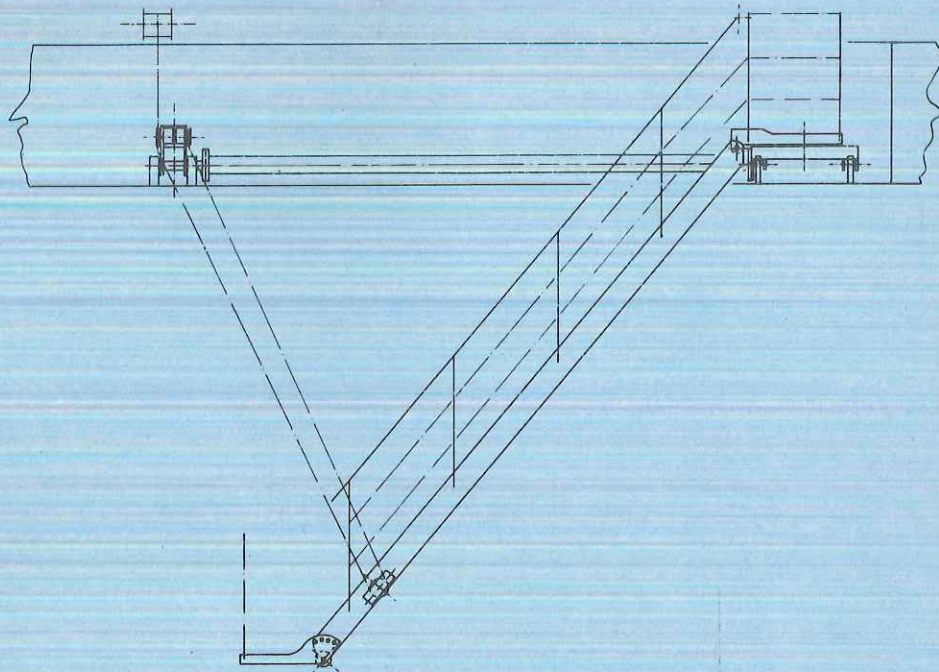
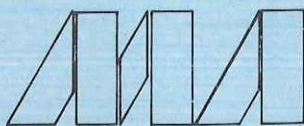


DAVIT AND ACCOMMODATION LADDER SYSTEM

INFORMATION
&
SPARE PARTS



Shipyard: Burrard Dry Dock
Yard no: 221
Our ref: o/30943/b



MARINE ALUMINIUM
AANENSEN & CO. AS
N-5501 HAUGESUND NORWAY - TEL. 47-47-30510 - TELEX 42726



MARINE ALUMINIUM

INFORMATION

- ACCOMMODATION LADDERS -

- DAVIT SYSTEM -

Newbuilding : 221

Yard : Burrard Dry Dock

Yards ref :

Our ref : JQ/DE/ako (o/30943/b)

2 pos MARINAL accommodation ladders of seawater resistant aluminium alloy.

Type..... 3
Length..... 7050 mm
Width..... 700 mm
Weight..... 300 kg (each)
Drawing..... P3 - 3169

2 pos Upper platforms, turnable 180°

Weight..... 100 kg. (each)
Drawing..... P-3384.

2 pos DAVIT - systems. made of steel

Drawing..... DA-10R-3468
Drawing..... DA-10R-3469

2 pos Electric accommodation ladder winches

Drawing..... 43155 E
Description.. 43243
Type..... 10 - KNS

1 pc Contactor

Drawing..... A - 12 Q
A - 12 R
A1 - 12 T

2 pos Push - button stations

1 pc MARINAL gangway of seawater resistant aluminium alloy

Type..... L-2
Length..... 25 ft
Width..... 28 "
Weight..... 200 kg
Drawing..... L1-L2-3173

1 pc MARINAL bulwark ladder

Height..... 3 ft - 06 ins
Hooks for rail. 4" x 3" angle.
Weight..... 15 kg
Drawing no... FT - 1825

INFORMATIONS & SPARE PARTS

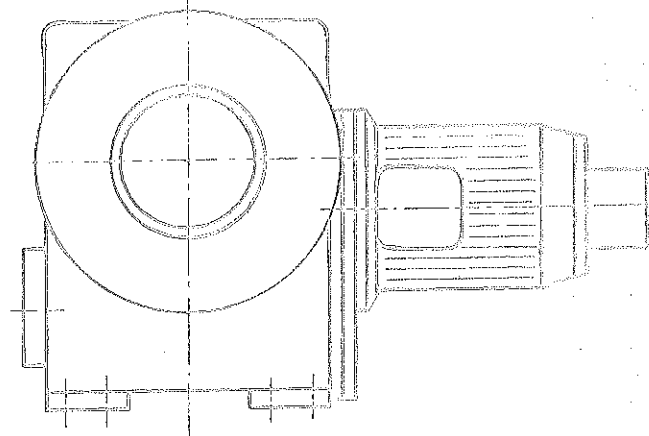
WINCH TYPE 10 KNS

MAX LOAD :

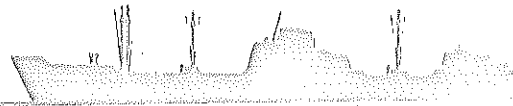
DYNAMIC : 1000 KP

STATIC : 3000 KP

HOSTING SPEED 10 M/MIN



ACTA SERIAL NO. 76-7610



ACTA

ADVANCED PARTS
GENERAL SERVICE

FLW

43589

Description of Winch Type 10 KNS

(Design variation: Fixed el-motor)

Design

The winch is designed for a maximum dynamic load of 10 KN and a maximum static load of 30 KN.

Due to the mechanical construction of the winch only one direction is permitted for hoisting when rotating. This is indicated on the dimension sketches, together with the other dimensions for the mounting.

Recommended wire dimension approx. 10 mm dia.

The base frame is designed for horizontally mounting only.

The winch motor drives the rope drum through a spur gear and worm gear transmission. The winch is of a totally enclosed water-tight construction. A compact oil-tight welded gearbox encloses the gearing which is precision machine cut throughout.

All bearings for shafts are ball- and roller bearings, and run together with the gears in oil bath.

The motor, of totally enclosed deck water-tight marine construction, is flange mounted directly to the winch gearbox.

Drum capacity (3 layers 10 mm. dia. wire)

Drum L=200 mm. max. 37 m

Drum L=160 mm. max. 29 m

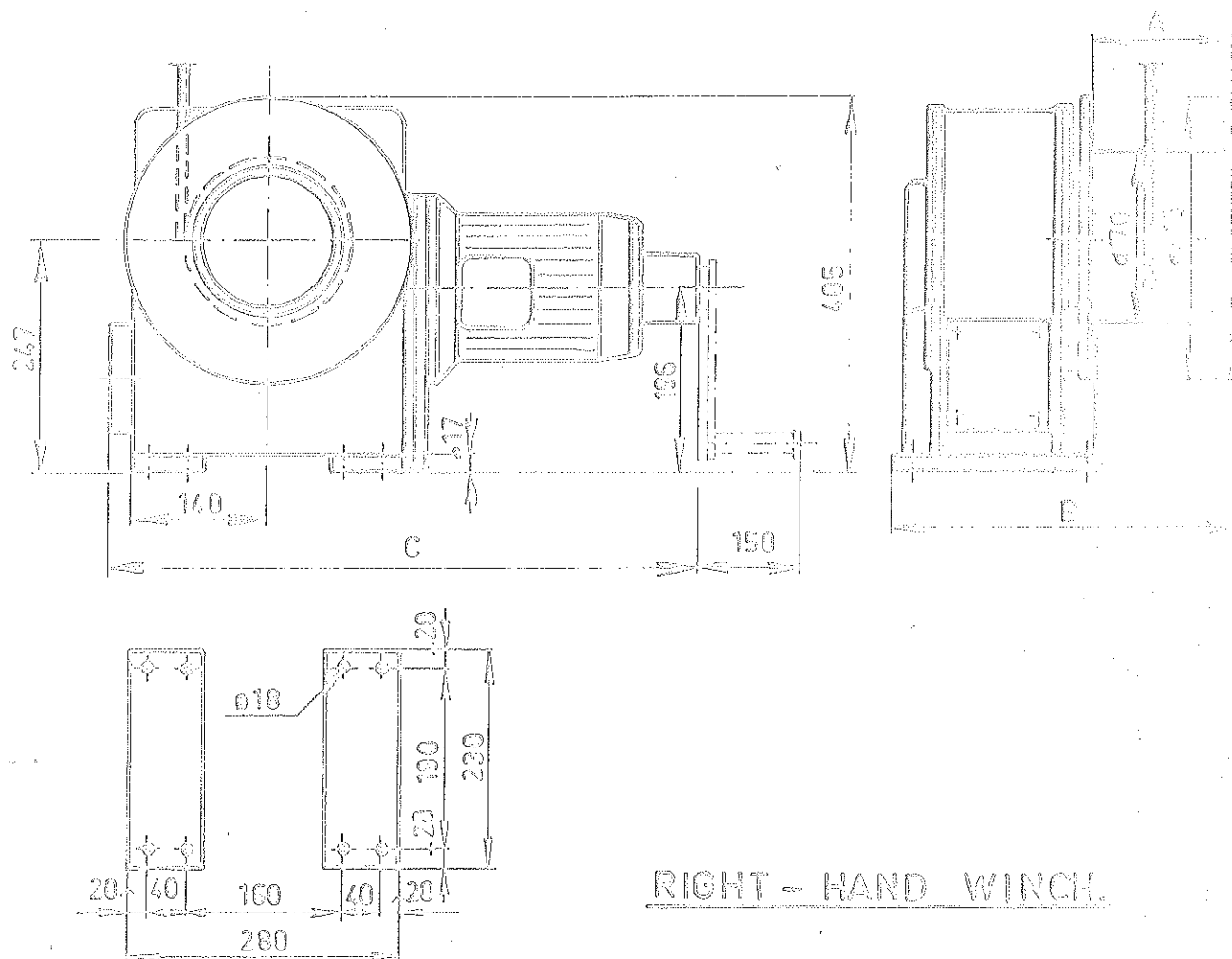
Drum capacity (4 layers 10 mm. dia. wire)

Drum L=200 mm. max. 52 m

Drum L=160 mm. max. 42 m

The drawing is subject to change without notice.
 as no change is indicated on drawing to any
 other drawing.

Nomenclature 200A-B - CHINA

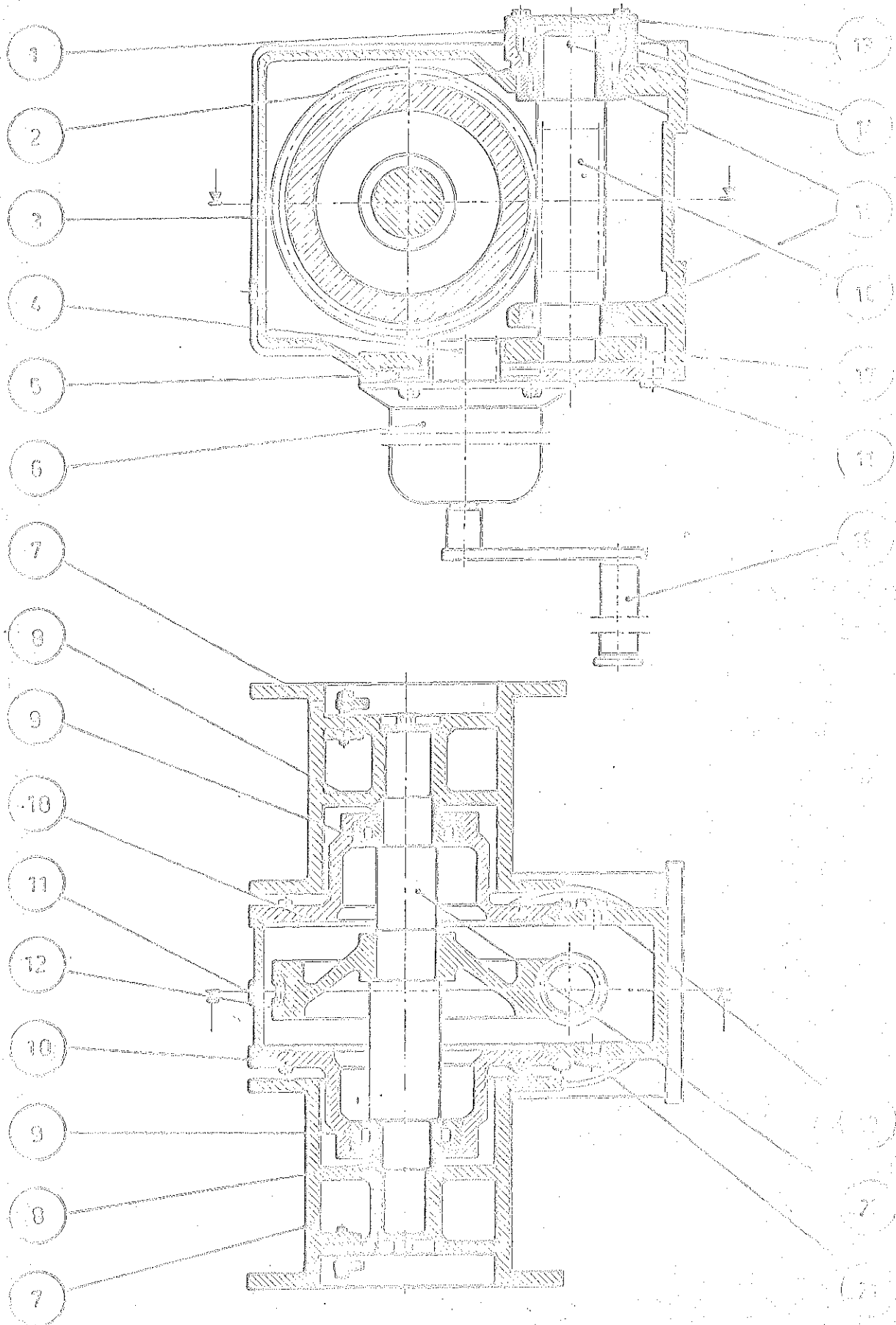


RIGHT - HAND WINCH.

43155 H	160	375	620	600KP ~ 6KN	3000KP ~ 30KN	3.75KW-20/ED	4 K/MIN	30/70
43155 G	200	415	620	600KP ~ 6KN	3000KP ~ 30KN	3.75KW-20/ED	4 K/MIN	30/70
43155 F	160	375	620	600KP ~ 6KN	3000KP ~ 30KN	1.5KW-20/ED	8 K/MIN	30/70
43155 E	200	415	620	600KP ~ 6KN	3000KP ~ 30KN	1.5KW-20/ED	8 K/MIN	30/70
43155 D	160	375	660	1000KP ~ 10KN	3000KP ~ 30KN	1.5 KW 20/ED	5 K/MIN	30/70
43155 C	200	415	660	1000 KP ~ 10KN	3000KP ~ 30KN	1.5KW-20/ED	5 K/MIN	30/70
43155 B	160	375	660	1000KP ~ 10KN	3000KP ~ 30KN	3 KW-20/ED	10 K/MIN	30/70
43155 A	200	415	660	1000KP ~ 10KN	3000KP ~ 30KN	3 KW-20/ED	10 K/MIN	30/70
Drawn	A	B	C	Max dynamic load	Max static load	Effect	Speed	10/70

Went: Drum	Code:	Repl:	Date: 27-03-76	Sket:	10/70
WINDING CABLE AOFA % ODEISE DARKMARK			WINCH 10 KNS		
first test: load test: testing on: 43155					

SPARE PARTS FOR WINCH 10KNS



LUBRICATION INSTRUCTIONS FOR DECK MACHINERY.

ACTA RECOMMEND THE FOLLOWING LUBRICANT OR OTHER FULLY COMPARABLE TYPE

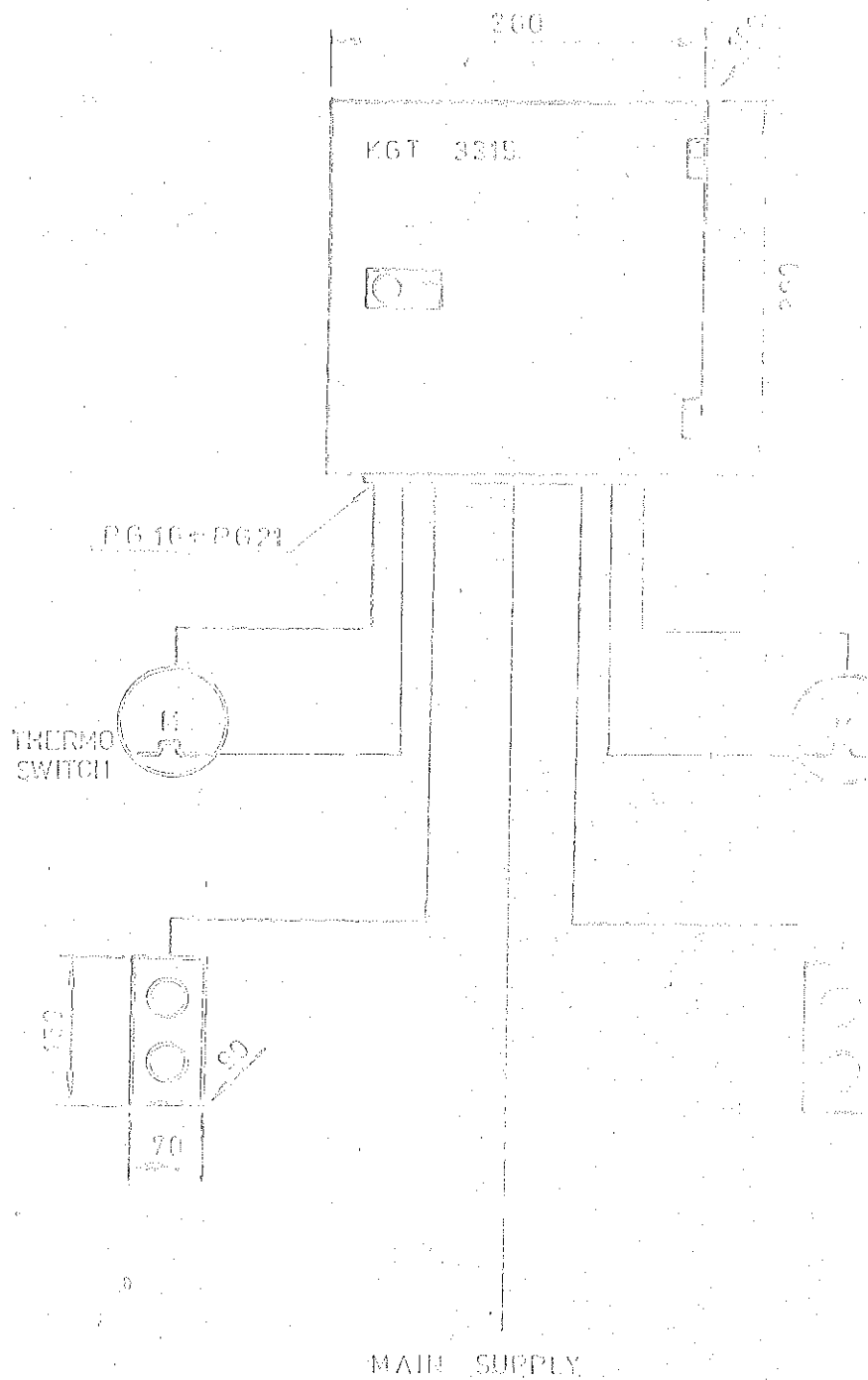
WORM GEARS AND BUILT-IN GEARS	BP CHEVRON CASTROL ESSO GULF MOBIL SHELL TEBOIL TEXACO	ENERGOL GR 190 XP NON-LEADED GEAR COMPOUND 80 ALPHA LS/SP 150 or ALPHA 717 SPARTAN EP 150 EP LUBRICANT S88 MOBILGEAR 629 MACOMA R 71 or CHALA 71 PRESSURE OIL 71 MEROPA LUBRICANT 2
OPEN GEARS	BP CHEVRON CASTROL ESSO GULF MOBIL SHELL TEBOIL TEXACO	ENERGOL GR 3000-2 or WRL PINION GREASE MS GRIPPA 33S or GRIPPA 60S SURETT FLUID 30 EP LUBRICANT S135 MOBILTAG D. CARDIUM FLUID F or CONT. 1 GEAR GREASE MDS CRATER 2X FLUID or CRATER 1
PLAIN AND BALL BEARINGS	BP CHEVRON CASTROL ESSO GULF MOBIL SHELL TEBOIL TEXACO	ENERGREASE LS-EP 2 INDUSTRIAL GREASE HEAVY SPHEREOL AP 3 BEACON 2 or 3 GULFCROWN GREASE NO. 2 MOBILUX 2 ALVANIA GREASE EP 2 or EP 3 or EP 4 MULTI-PURPOSE GREASE MULTIFAX EP 2

SPARE PARTS FOR WINCH 10 KNS

WHEN ORDERING PLEASE STATE ITEM NO. AND LIST NO.

ITEM NO.:

- 1 BEARING HOUSING
- 2 AXIAL BALL BEARING, SKF 51110
- 3 GEARBOX
- 4 SPUR WHEEL
- 5 FLANGE
- 6 MOTOR
- 7 DRUM
- 8 OIL SEAL
- 9 ROLLER BEARING, SKF NJ 211 E
- 10 COVER
- 11 PIPE PLUG
- 12 WORM WHEEL
- 13 COVER
- 14 RATCHET HOLDER + CARRIER + BRAKE DISC
- 15 ROLLER BEARING, SKF NU 211
- 16 WORM SHAFT
- 17 SPUR WHEEL
- 18 CRANK HANDLE
- 19 PIPE PLUG
- 20 SHAFT
- 21 OIL LEVEL GLASS.



ACTA 0/5

M.E. AUTOMATIK-CHUG

1 2 3 4 5 6 7 8 9 10 11 12

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000