

3000

Mechanical control

These mechanical lever controls are available in several versions and fulfil all the possible application requirements including pleasure boats, passenger boats and professional vessels. There are also available versions for the direct control of electronic and CANBus motors.



OPERATION

Single lever with dual action for the sequence command of gearbox and throttle. The button, when inserted into the body of the lever, disengages the gearbox and enables the acceleration of the engine in neutral (warm-up).

STROKES

From 60 to 80 mm both for gearbox and throttle (you can get a fine regulation by tuning the slot inside the lever).



MOVEMENTS

Extremely smooth and precise, due to the bearings and sintered bronze bushings; there are no plastic parts.

AESTHETICS

- Body box is available chrome plated, painted black or stainless steel (only for the version with 1 motor).
- Lever can be either chrome or stainless steel. Handle and button for warm-up are available red or black.



COMMAND CABLES

Command levers Series 3000 can be used with conventional push-pull cables E3 (thread 10/32), E4 (thread 1/4 x 28) E6 (thread M6) and the very performing Flexball cables Series 70 (M6 thread).

VERSIONS

- 3000.1 model for one motor or 3000.2 model for two motors for boats with a single command station
- in case of boats with more command stations:
3033.1 to be connected with one or more repeater levers 3030.1, in case of boats with 1 motor 3033.2 to be connected with one or more repeater levers 3030.2, in case of boats with 2 motors.

All models can be single or coupled. The results are the following combinations:



SYSTEMS WITH TWO COMMAND STATIONS

There are two different philosophies and methods for connecting together levers 3000:

- Master/repeater: a master command station is connected to a repeater command station. In this case when moving one command station the other one follows automatically the movements of the first station.
- Sleight: command stations are identical and are not directly linked together. The selection of the command is done through a slide which is mounted near the engine. The station at the moment not in use must be kept in neutral position.

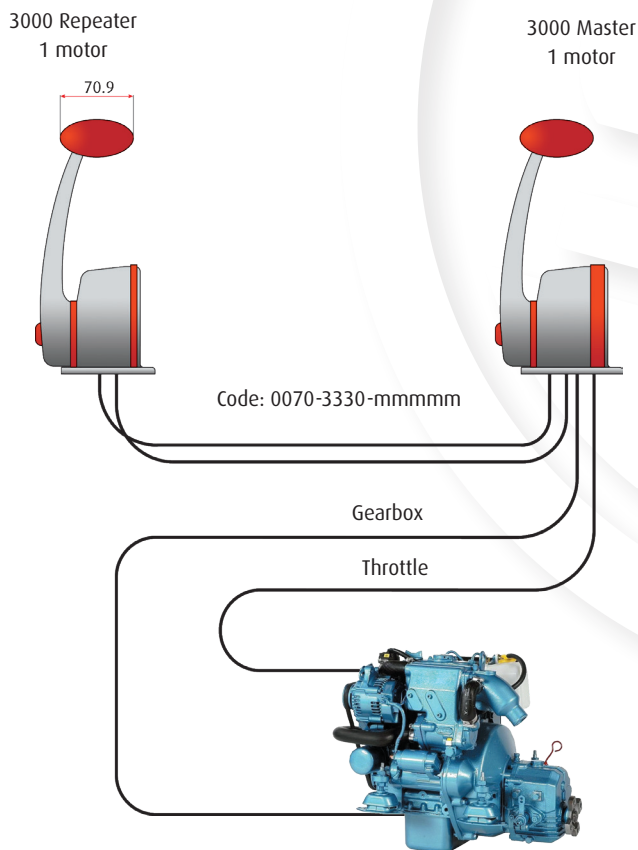
The solution master/repeater is absolutely the best in term of performance.

PRODUCT RANGE

DESCRIPTION	CODE
• Command lever inox for 1 motor; red handle	3000.1-XR
• Master inox for 1 motor; red handle	3033.1-XR
• Repeater inox for 1 motor; red handle	3030.1-XR
• Command lever chrome plated for 1 motor; red handle	3000.1-CR
• Command lever black for 1 motor; red handle	3000.1-SR
• Command lever chrome plated for 2 motor; red handles	3000.2-CR
• Command lever black for 2 motors; red handles	3000.2-SR
• Master chrome plated for 1 motor; red handle	3033.1-CR
• Master black for 1 motor; red handle	3033.1-SR
• Master chrome plated for 2 motors; red handles	3033.2-CR
• Master black for 2 motors; red handles	3033.2-SR
• Repeater chrome plated for 1 motor; red handle	3030.1-CR
• Repeater black for 1 motor; red handle	3030.1-SR
• Repeater black for 2 motors; red handles	3030.2-CR
• Repeater black for 2 motors; red handles	3030.2-SR
• Sliding device for 2 command stations	3000-SEL
• Connecting kit (2 clamps + 2 forks) for cables E3 Series (thread 10/32)	3000-E3
• Connecting kit (2 clamps + 2 forks) for cables E4 Series (thread 1/4 x 28)	3000-E4
• Connecting kit (2 clamps + 2 forks) for cables Flexball 70 (thread M6 x 1)	3000-70

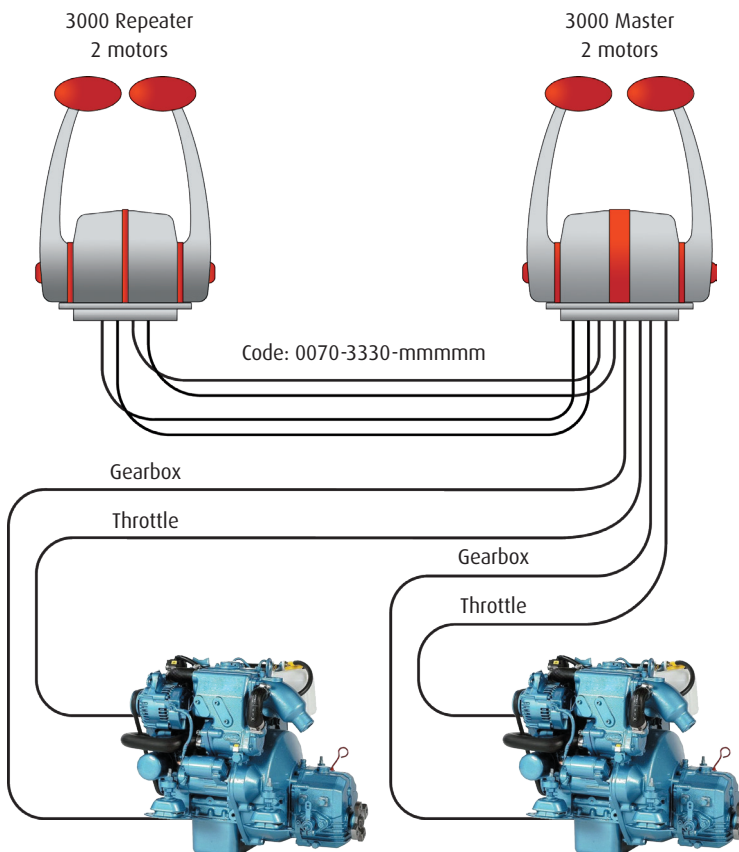


INSTALLATION SCHEME FOR 2 COMMAND STATIONS AND 1 MOTOR



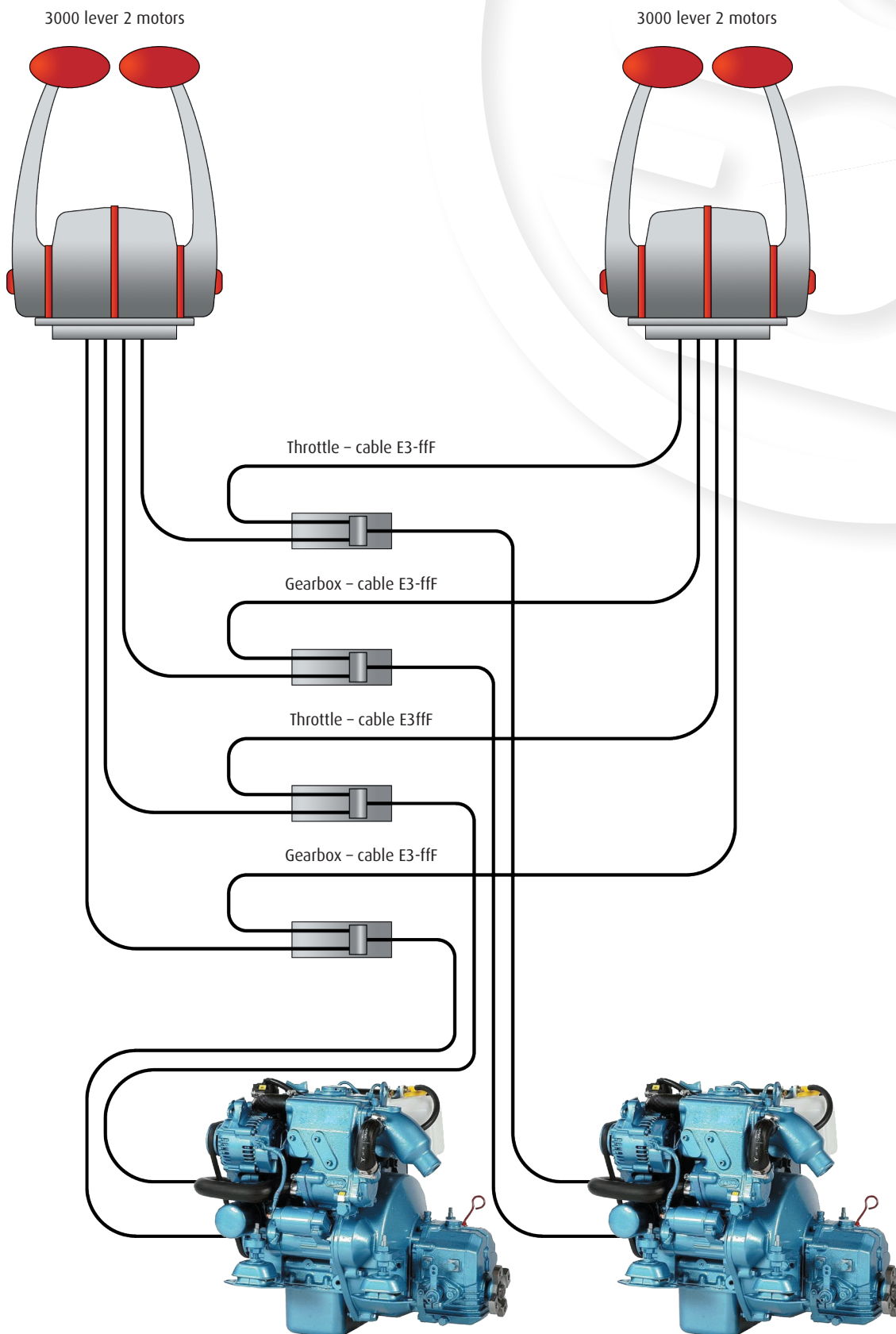
Note:
mmmmm is the cable length in mm

INSTALLATION SCHEME FOR 2 COMMAND STATIONS AND 2 MOTORS



Note:
mmmmm is the cable length in mm

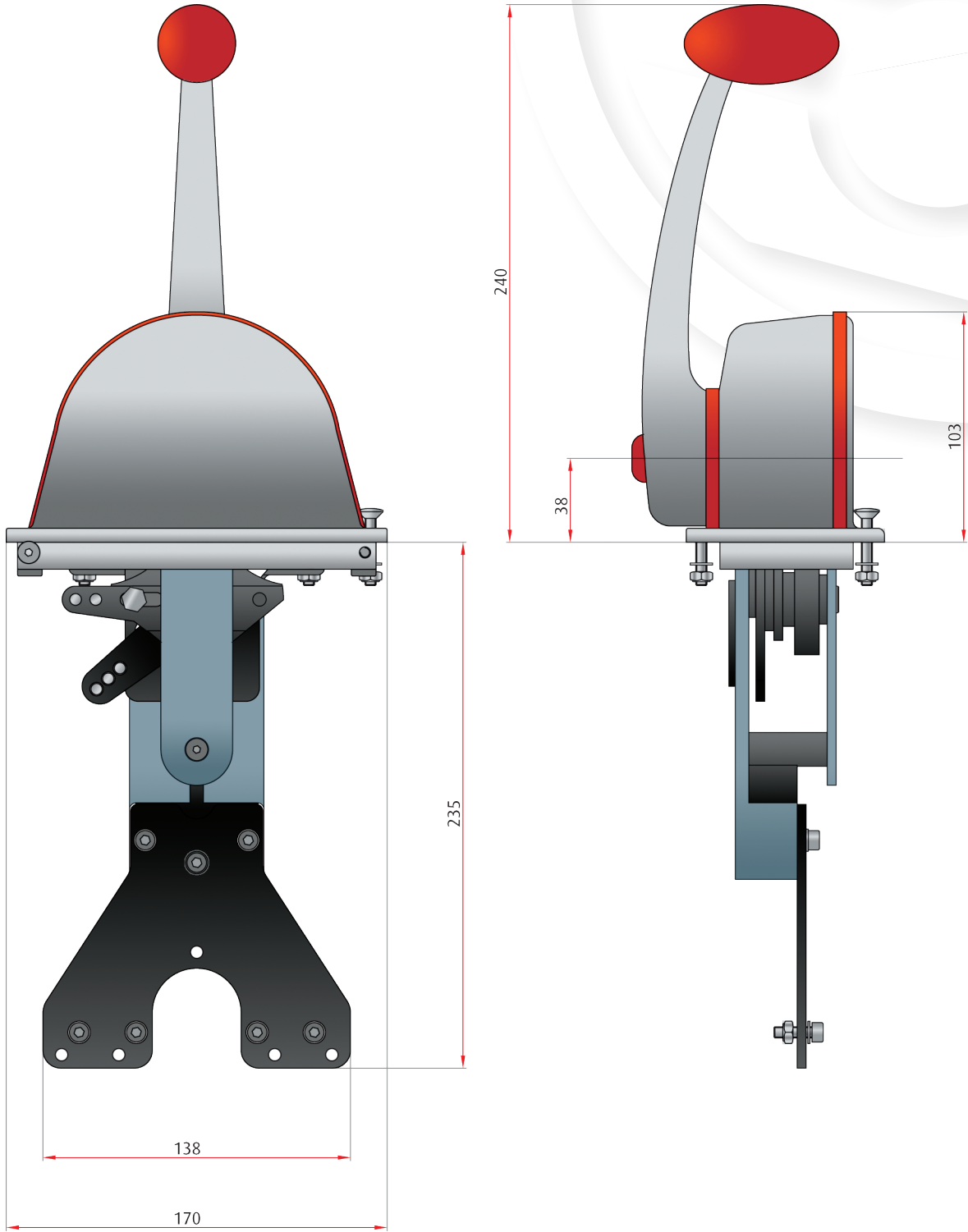
INSTALLATION SCHEME FOR 2 INDEPENDENT COMMAND STATIONS



Note:

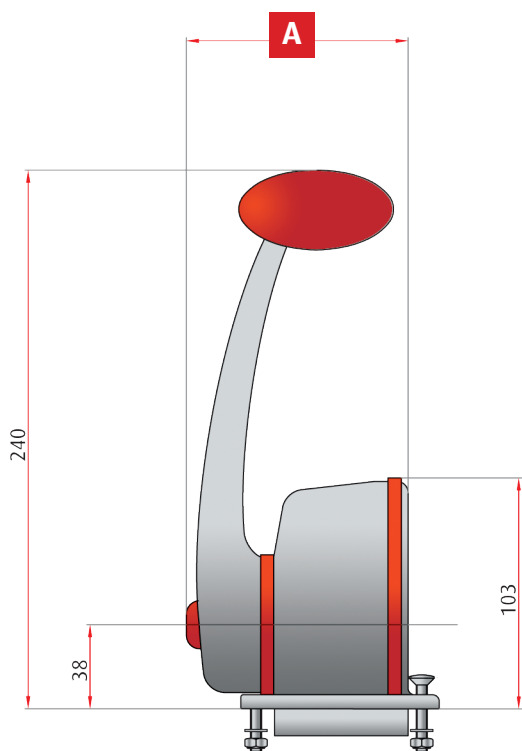
ff is the cable length in feet. Example: cable E3 L=10 feet → E3-10F

OVERALL DIMENSIONS

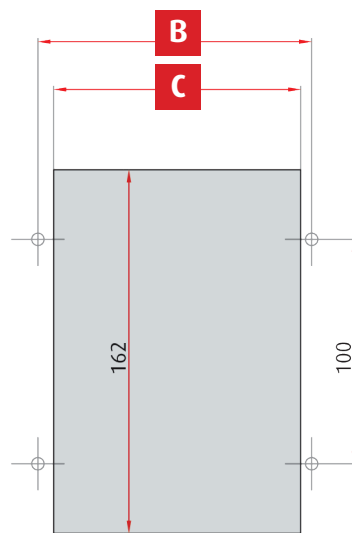
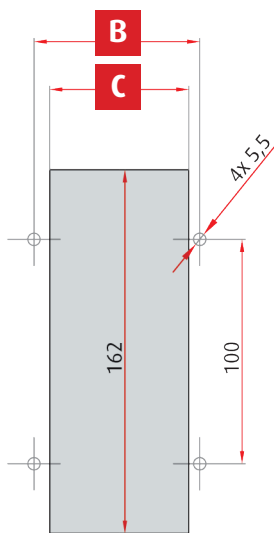
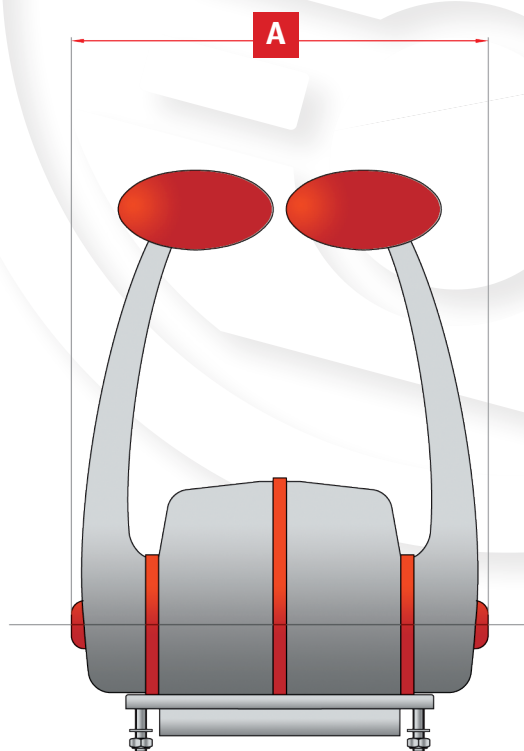


DIMENSIONS, FOOTPRINTS AND DRILLING MASKS

3000 Lever for 1 motor
3000 Repeater for 1 motor



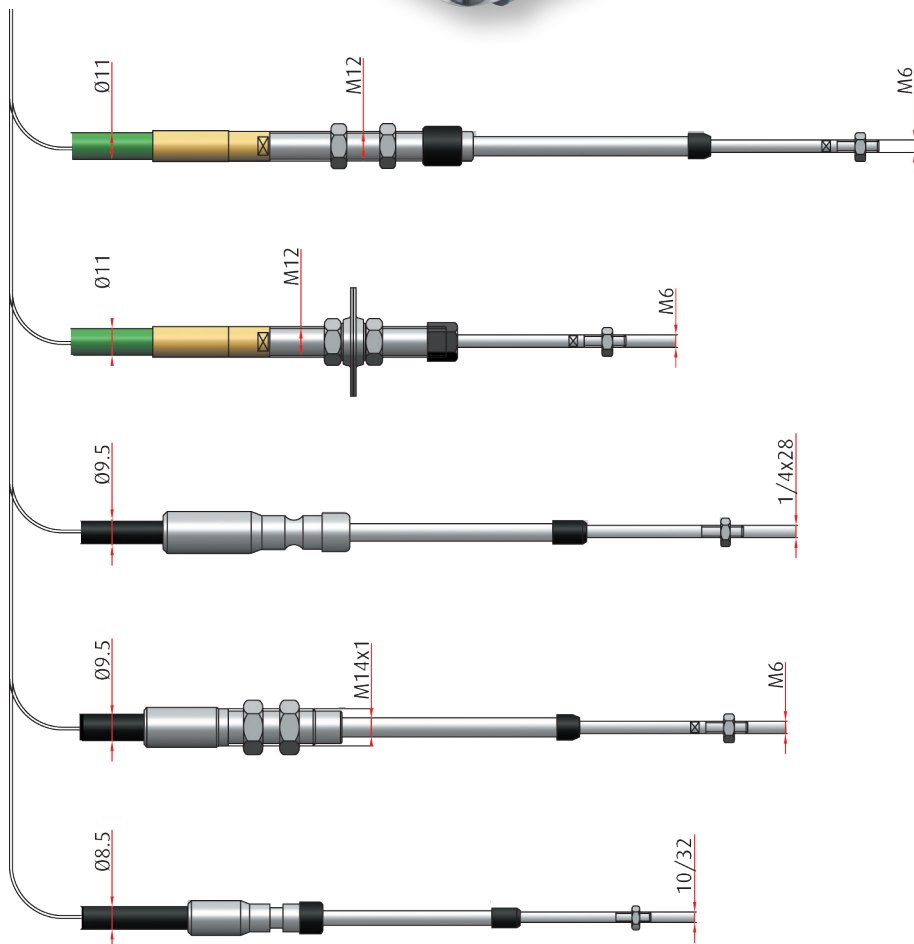
3000 Lever for 2 motors
3000 Repeater for 2 motors



REFERENCE	LEVER FOR 1 MOTOR REPEATER FOR 1 MOTOR	LEVER FOR 2 MOTORS REPEATER FOR 2 MOTORS	LEVER MASTER 1 MOTOR	LEVER MASTER 2 MOTORS
A	100	186	115	218
B	75	122	90	154
C	62	110	77	141



MECHANICAL CABLES AVAILABLE WITH LEVERS SERIES 3000



COD. 0070-GM-mmmmm

- Flexball type 70 with form M terminal

COD. 0070-GF-mmmmm

- Flexball type 70 with form F terminal

COD. E4-fff

- Push-pull cable E4

COD. E6-mm.mmM

- Push-pull cable E6

COD. E3-fff

- Push-pull cable E3

Note:

mmmmmm is the length in mm

Example: Flexball 70 L=4 m → 0070-GF-04000

mm.mm is the length in meters

Example: E6 L=4,5 m → E6-04.50M

fff is the length in feet

Example: E3 L=10 feet → E3-10F





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