

# 2011

# PUSH-PULL CONTROL



## Putting You In Control.

Manufactured for the marine environment the Kobelt 2011 push-pull control is the rugged solution for your vessel. The 2011 control head is suited for heavy applications that require a larger pulling force. The control head has two handles that can be configured separately for controlling a clutch or throttle. The 2011 control head is capable of single or two-station operation. With a wide array of options to choose from, Kobelt has the product to meet your propulsion control needs.

## Specifications

Handle Travel:	+/- 60°		
Pin Position:	1	2	3
Cable Stroke: <sup>1</sup>	2.07 in [53 mm]	2.62 in [66 mm]	3.16 in [80 mm]
Max Output Force: <sup>2</sup>			
• Short handle:	149 lbf [663 N]	118 lbf [525 N]	98 lbf [436 N]
• Long handle:	184 lbf [818 N]	146 lbf [649 N]	121 lbf [538 N]
Lever Ratio:			
• Short handle:	5.1:1	4.1:1	3.4:1
• Long Handle:	6.3:1	5.0:1	4.2:1
Ambient Temperature:	-40°F...+140°F [-40 °C... + 60 °C]		
Weight:	8.3 lbs	[3.8 kg]	

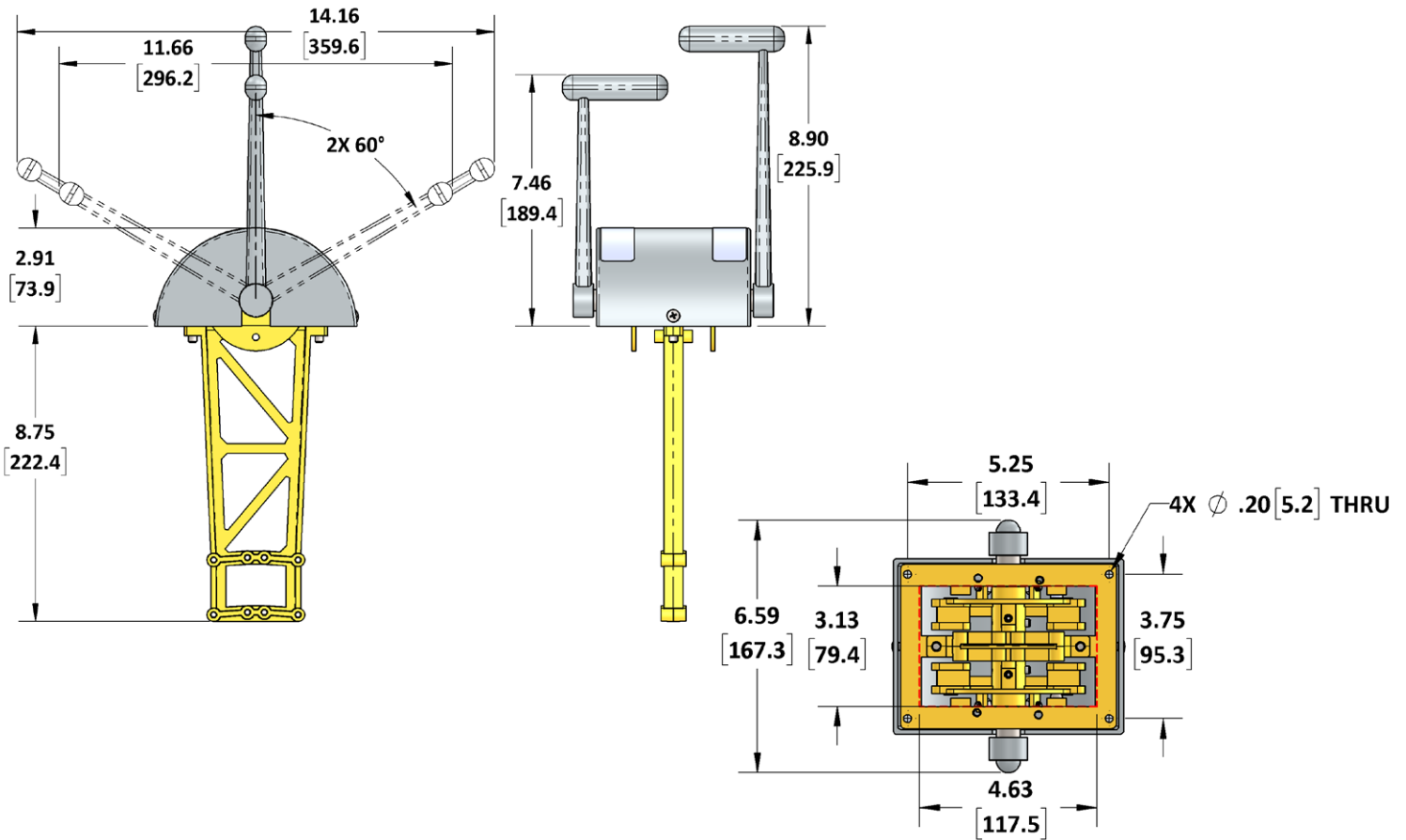
## Key Features

- Two station capability
- Selectable stroke (3 positions) up to 3 inches
- Adjustable stops
- Suitable for 30 & 40 series cable
- Configurable design to suit requirements
- Bronze & stainless steel construction

<sup>1</sup> Stroke from TDC is half of value shown.

<sup>2</sup> Estimated maximum output force based on an input force of 29 lbf applied to the handle. Output force must not exceed rated cable force.

# SPECIFICATIONS



## Model Code Key

2011-□□□ (list in alphabetical order)

### Safety Options

- H<sup>1</sup> = One neutral safety switch
- I = Electric clutch adapter
- J<sup>1</sup> = Two neutral safety switches
- S<sup>2</sup> = Clutch/throttle interlock, RH side
- T<sup>2</sup> = Clutch/throttle interlock, LH side

### Finish Options

- K = chrome plated
- L = polished brass
- M = black painted dome & chrome plated handles

### Handle Options

- A = One short with friction + one long with detent
- AA = One short with friction + one long with friction
- B = Two long with detents
- C = Two long with friction
- D = One long with friction + one long with detent
- E = Two short with detents
- F = Two short with friction
- G = One short with friction + one short with detent
- U<sup>3</sup> = Two curved handles with knobs, one detent + one friction
- V<sup>3</sup> = Two handles with plastic grips, one detent + one friction

## Popular Configurations

2011-AK

## Accessories

- 2004-0901<sup>4</sup> Connector kit, 30 series cable
- 2004-0902<sup>4</sup> Connector kit, 40 series cable
- 2011-0903 Switch kit, neutral safety
- 2011-0910 Electric clutch adapter

## NOTES:

1. Neutral safety switch must have a detented handle.
2. Prevents shifting at engine speeds above idle. Only available on controls with the clutch and throttle on the same control head.
3. One red (throttle/friction) and one black (clutch / detented)
4. Cable kits must be ordered separately.