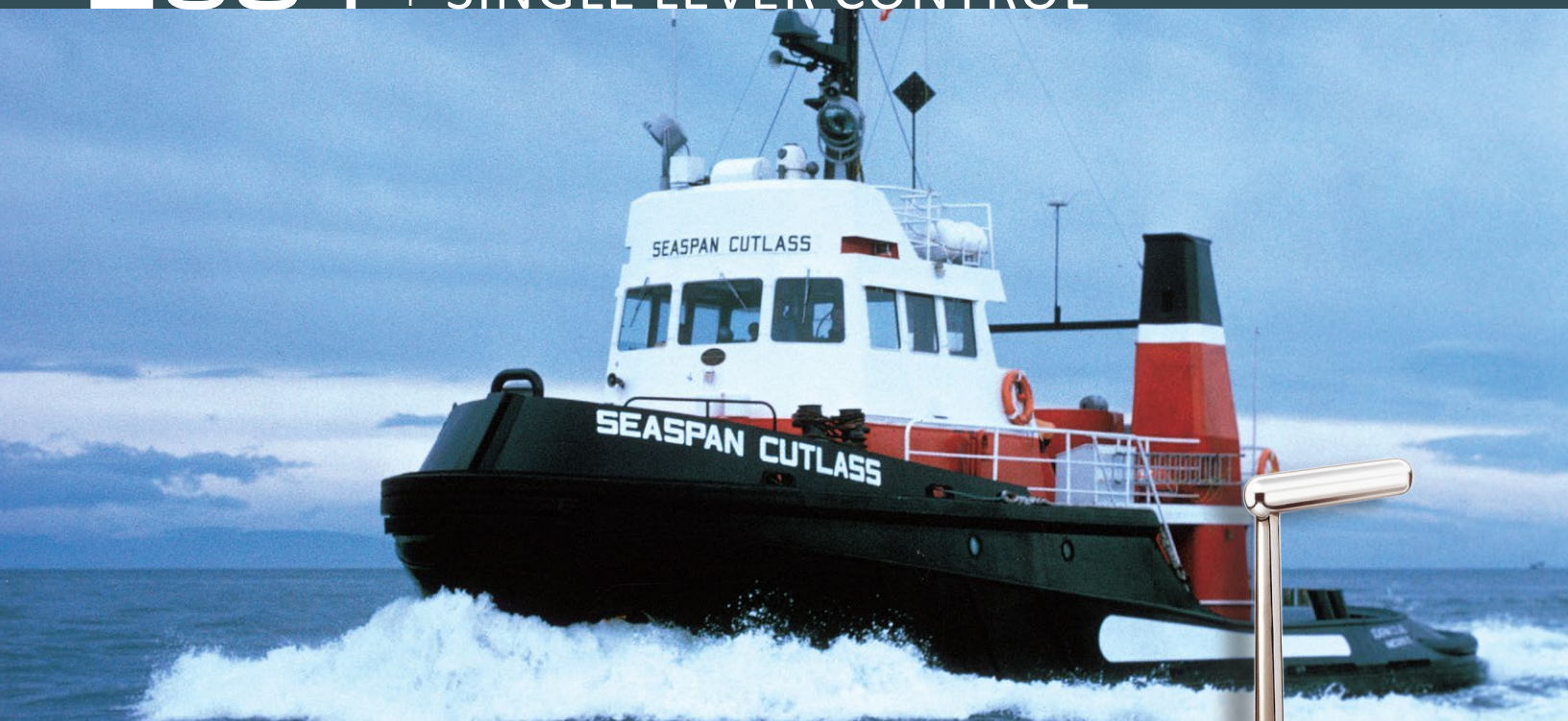


# 2091 | TWO STATION SINGLE LEVER CONTROL



## Putting you in control.

Manufactured for the marine environment, the Kobelt 2091 push-pull control is the rugged solution for any vessel requiring two station engine control. The control head permits single-engine control with both the clutch and throttle control integrated into the one lever.

The Kobelt 2091 also features a spring-loaded throttle override which permits running the engine with the clutch disengaged. With a wide array of options to choose from, Kobelt has the product to meet your propulsion control needs.



## Specifications

### Handle Travel:

• Neutral:	0°	Detented
• Clutch engage:	+/- 30°	Detented
• Full throttle:	+/- 77°	-

### Stroke:

• Pin position:	1	2	3	4	5
• Clutch stroke:	±1.04 in [±26 mm]	±1.32 in [±33 mm]	n/a	n/a	n/a
• Throttle stroke:	0.97 in [25 mm]	1.33 in [34 mm]	1.69 in [43 mm]	2.05 in [52 mm]	2.47 in [63 mm]

### Max Output Force:

• Clutch: <sup>1</sup>	98 lbf [427 N]	79 lbf [350 N]	n/a	n/a	n/a
• Throttle: <sup>1</sup>	70 lbf [311 N]	51 lbf [227 N]	41 lbf [182 N]	33 lbf [147 N]	28 lbf [125 N]

### Lever ratio:

• Clutch:	3.4:1	2.7:1	n/a	n/a	n/a
• Throttle: <sup>2</sup>	2.4:1	1.8:1	1.4:1	1.1:1	1.0:1

Ambient Temperature: -40°F...+140°F [-40 °C...+60 °C]

Weight: 9.3 lbs [4.2 kg]

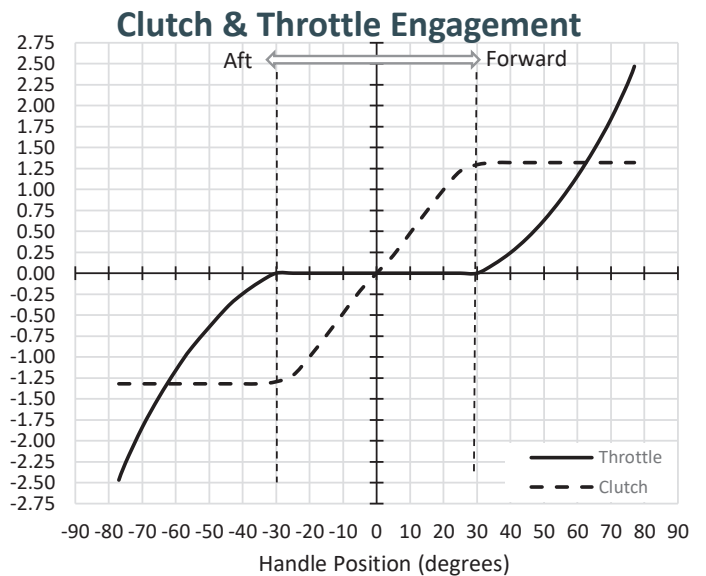
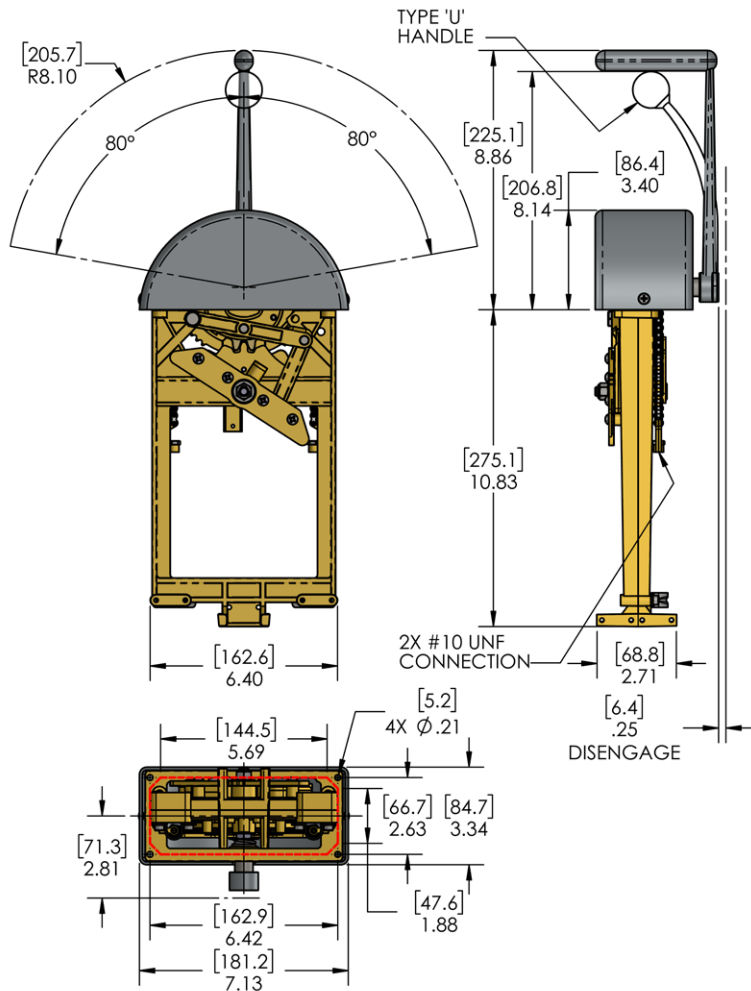
## Key Features

- Two station propulsion control
- Throttle override capability
- Selectable strokes (5 positions)
- Suitable for 30 & 40 series cable
- Configurable design to suit requirements
- Bronze & stainless steel construction

<sup>1</sup> Estimated output force is at end of stroke based on an input force of 29lbf on a "Tee" handle. Output force must not exceed rated cable force.

<sup>2</sup> At end of stroke, lever ratio increases towards neutral.

# SPECIFICATIONS



## Model Code Key

2091- (list in alphabetical order)

### Safety Options

H = neutral safety switch

### Finish Options

K = chrome plated

L = polished brass

M = black painted dome & chrome plated handles

Z = metal position labels

### Handle Options

T = left hand version

U = curved handle with knobs

X = tee handle - short

Y = tee handle - long

<sup>1</sup> Specify desired finish with appropriate letter code for cosmetic parts.

## Popular Configurations:

2091-KYZ

2091-KY

## Accessories

2093-XXX Remote station control head

2046-0901 Connector kit, 30 series cable

2046-0902 Connector kit, 40 series cable

2091-0903 Switch kit, neutral safety

2091-0905 Throttle extension kit; 30 series cable

2091-0906 Throttle extension kit; 40 series cable

Note: Cable kits must be ordered separately