

2018

PUSH-PULL CONTROL

**Putting You In Control.**

Built for the demands of the marine environment, the Kobelt 2018 Push-Pull Control delivers unmatched durability and control for your vessel. Its stackable, flush-mount design allows seamless customization for any number of engines, making it the perfect solution for both single and multi-engine configurations. Each handle operates a single function, available with friction or detented action to suit your needs. With a versatile range of options, Kobelt ensures you get the right propulsion control system for any application.

Specifications

Handle Travel:	+/- 38°		
Pin Position:	1	2	3
Cable Stroke: ¹	2.14 in [54 mm]	2.61 in [66 mm]	3.08 in [78 mm]
Max Output Force: ²			
• Short handle:	110 lbf [490 N]	91 lbf [404 N]	77 lbf [343 N]
• Long handle:	144 lbf [640 N]	118 lbf [527 N]	101 lbf [448 N]
Lever Ratio: ³			
• Short handle:	3.8:1	3.1:1	2.7:1
• Long Handle:	5.0:1	4.1:1	3.5:1
Ambient Temperature:	-40°F...+140°F [-40 °C... + 60 °C]		
Weight: ³			
• Two handle:	5.8 lbs [2.6 kg]		
• Four handle:	13.2 lbs [6.0 kg]		

Key Features

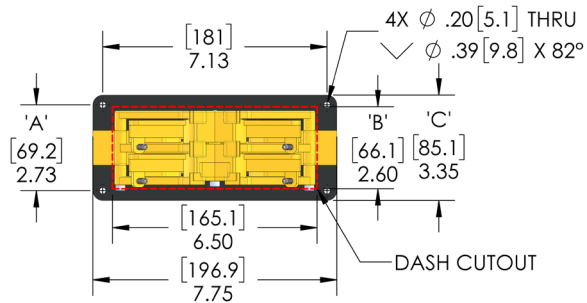
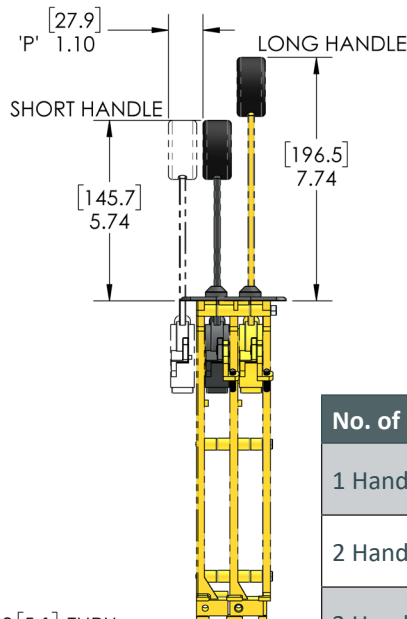
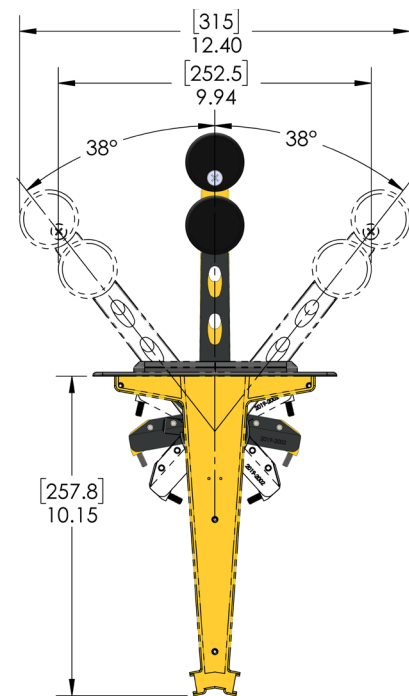
- Selectable stroke (3 positions) up to 3 inches
- Adjustable stops
- Suitable for 30 & 40 series cable
- Configurable design to suit requirements
- Stackable handles for single and multi-engine configurations
- Bronze & stainless steel construction

¹ Stroke from TDC is half of value shown.

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

³ Weights will vary depending on handle combinations.

SPECIFICATIONS



No. of Handles	Dimension		
	A	B	C
1 Handle	1.63 in [41.4 mm]	1.50 in [38.1 mm]	2.25 in [57.2 mm]
2 Handle	2.73 in [69.3 mm]	2.60 in [66.0 mm]	3.35 in [85.1 mm]
3 Handle	3.83 in [97.3 mm]	3.70 in [94.0 mm]	4.45 in [113.0 mm]
4 Handle	4.93 in [125.2 mm]	4.80 in [121.9 mm]	5.55 in [141.0 mm]
5 Handle	6.03 in [153.2 mm]	5.90 in [149.9 mm]	6.65 in [168.9 mm]
6 Handle	7.13 in [181.1 mm]	7.00 in [177.8 mm]	7.75 in [196.9 mm]

Model Code Key

2018- [] (list in alphabetical order)

Safety Options

- H¹ = One neutral safety switch
- J¹ = Two neutral safety switches
- Blank = No neutral safety switch

Finish Options

- K = Chrome plated handle and cover
- L = Polished brass handle and cover
- M = Black epoxy painted cover and chrome plated handle
- MM = Black epoxy painted cover and handle

Handle Options

- A = One short with friction + one long with detent
- A1 = One short with friction + one long with friction
- B = Two long with detents
- C = Two long with friction
- D = Two long handles, one with friction, one with detent
- E = Two short with detents
- F = Two short with friction
- G = Two short handles, one with friction, one with detent
- N = One long handle with detent
- O = One long handle with friction
- P = One short handle with detent
- R = One short handle with friction

Popular Configurations

2018-MMFC

2018-MMF

Accessories

- 2016-0901 Connector kit, 30 series cable
- 2016-0902 Connector kit, 40 series cable
- 2016-0903 Switch kit, neutral safety

NOTES:

1. Neutral safety switch must have a detented handle.
2. Cable kits must be ordered separately.