

2016

PUSH-PULL CONTROL

**Putting You In Control.**

Built for the demands of the marine environment, the Kobelt 2016 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	2.18 in [55 mm]	2.61 in [66 mm]	3.08 [78 mm]
Max Output Force: ²			
• Short handle:	161 lbf [718 N]	135 lbf [602 N]	115 lbf [512 N]
• Long handle:	194 lbf [863 N]	163 lbf [724 N]	138 lbf [615 N]
Lever Ratio: ³			
• Short handle:	5.6:1	4.7:1	4.0:1
• Long Handle:	6.7:1	5.6:1	4.8:1
Ambient Temperature:	-40°F...+140°F [-40 °C... + 60 °C]		
Weight: ⁴			
• Two handle:	6.5 lbs [3.0 kg]		
• Four handle:	11.5 lbs [5.4 kg]		
• Six handle:	16.6 lbs [7.5 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

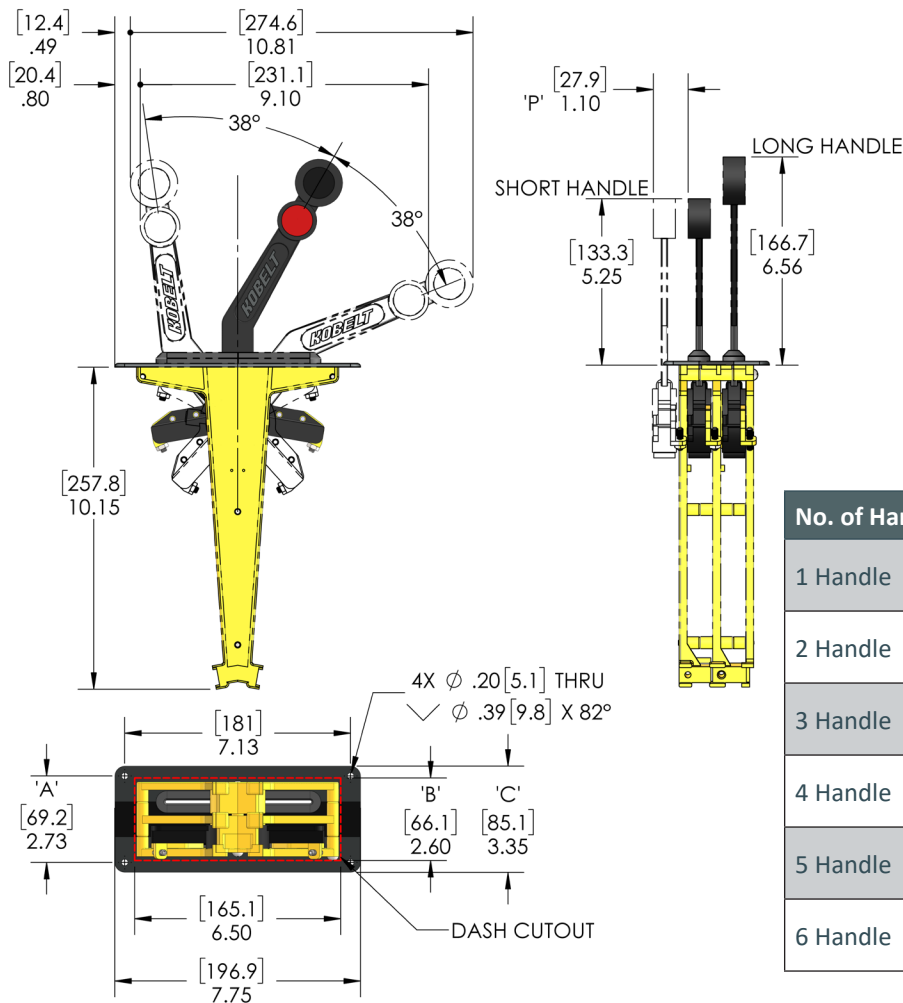
¹ Stroke from TDC is half of value shown.

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 Reported lever ratio is the minimum ratio at extreme handle position. Lever ratio increases as the handle travels to TDC.

⁴ 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

2016- [] (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

2016-MMO

2016-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.