

2009

PUSH-PULL CONTROL



Putting You In Control.

Manufactured for the marine environment the Kobelt 2009 push-pull control is the rugged solution for your vessel. With a wide array of options to choose from, Kobelt has the product to meet your propulsion control needs.



Specifications

Handle Travel:	+/- 60°		
Total Stroke: ¹			
Pin position:	1	2	3
Cable stroke:	2.03 in [51 mm]	2.56 in [65 mm]	3.09 in [79 mm]
Force Output: ²			
• Extension:	125 lbf	[556 N]	
• Retraction:	230 lbf	[1024 N]	
Lever ratio:			
• Short handle:	4.3:1	3.4:1	2.8:1
• Long Handle:	5.1:1	4.1:1	3.4:1
Ambient Temperature:	-40°F...+140°F [-40 °C... + 60 °C]		
Weight:	5.4 lbs	[2.5 kg]	

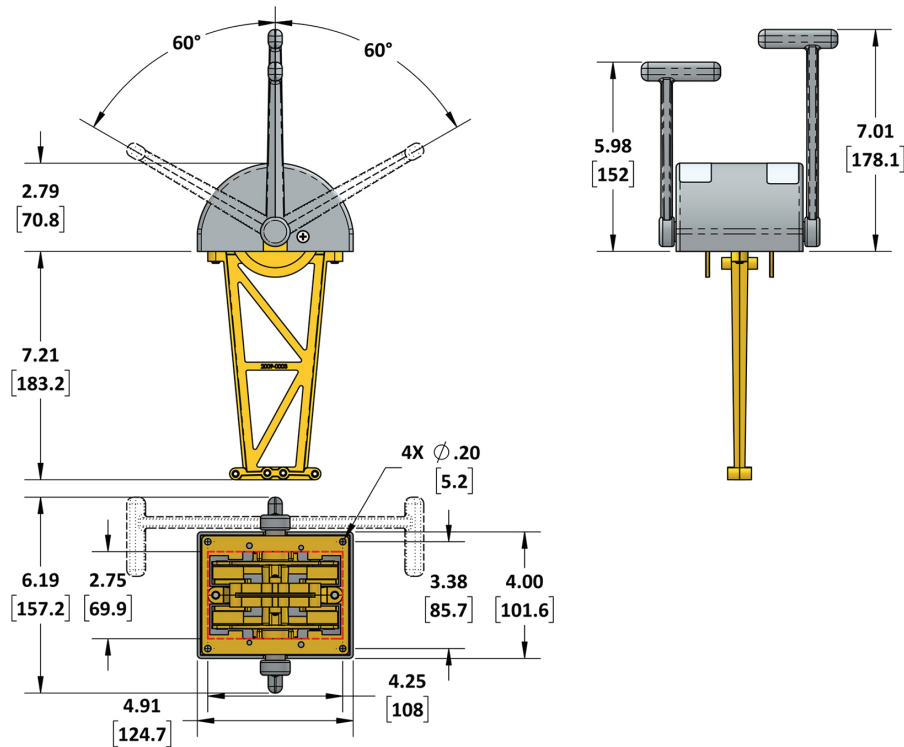
¹ Stroke from TDC is half of value shown.

² Force output limited by rating of cable. Values shown are for 40 series cable.

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

SPECIFICATIONS



Model Code Key

2009 - (list in alphabetical order)

Safety Options

- H¹ = One neutral safety switch
- I = Electric clutch adapter
- J¹ = Two neutral safety switches
- S² = Clutch/throttle interlock, RH side
- T² = Clutch/throttle interlock, LH side

Finish Options

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

Handle Options

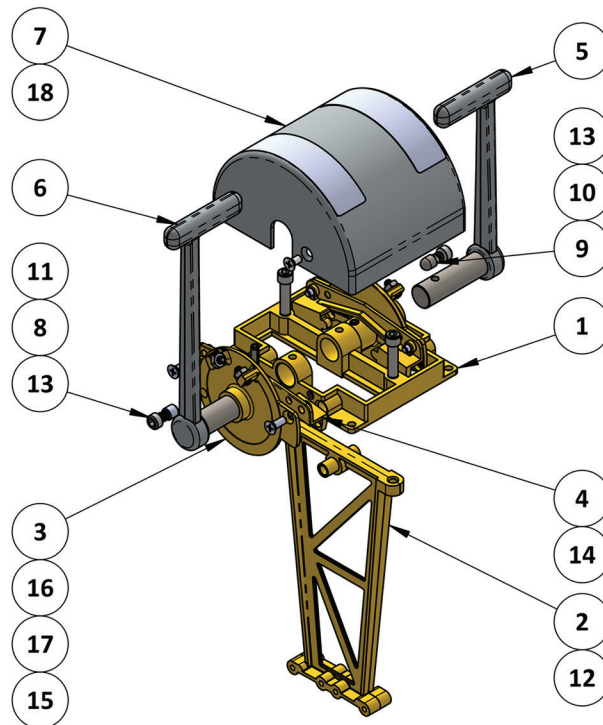
- A = One short with friction + one long with detent
- AA = One short with friction + one long with friction
- B = Two long with detents
- C = Two long with friction
- D = One long with friction + one long with detent
- E = Two short with detents
- F = Two short with friction
- G = One short with friction + one short with detent
- U³ = Two curved handles with knobs, one detent + one friction
- V³ = Two handles with plastic grips, one detent + one friction

NOTES:

1. Neutral safety switch must have a detented handle.
2. Prevents shifting at engine speeds above idle.
3. One red (throttle/friction) and one black (clutch/detented).

PARTS LIST

2009 Push-Pull Control



ITEM	QTY.	PART NO.	2009 DESCRIPTION
1	1	2009-1002	FRAME
2	1	2009-0003	SUPPORT
3	2	2009-0004-B	PIVOT PLATE, FRICTION + 1 DETENT
4	2	2009-0005	PIN RETAINER
5	1	2009-0016-K ¹	SHORT HANDLE, CHROME FINISH
6	1	2009-0015-K ¹	HANDLE, LONG, CHROME FINISH
7	1	2009-1001-K ¹	DOME, CHROME FINISHED
8	1	1201-0002	SPRING, COMPRESSION
9	1	2009-0011	DETENT PLUNGER
10	1	1201-0003	SPRING, 0.25 DIA X 5
11	1	2542-0008	FRICTION PLUG
12	2	1002-1016	SCREW, CAP, SKT HD, 1/4-20 X 1, SS
13	2	1016-1204	SCREW, SKT SET, 3/8 UNC X 1/4, 18-8
14	4	1009-0808	SCREW, FL HD PHILLIPS, 10-24 X 1/2, 18-8
15	2	1024-0814	PIN; ROLL, 3/16 DIA X 1 LG, 18-8
16	4	1016-0808	SCREW, SET, SKT, 10-24 x 1/4, 18-8
17	4	1022-0108	NUT, HEX, #10-24, GR 18-8
18	2	1009-0806	SCREW, FLAT HD, PHL, 10-24 X 3/8, 18-8
19	1	LABEL-GEAR	LABEL GEAR BLACK (STICKER), FWD-N-REV
20	1	LABEL-SPEED	LABEL SPEED RED (PLASTIC), FULL - IDLE

Accessories

- 2009-0901 Connector kit, 30 series cable
- 2009-0902 Connector kit, 40 series cable
- 2009-0903 Switch kit, neutral safety
- 2009-0910 Adaptor kit, electric clutch

Note: Cable kits must be ordered separately

¹ Specify desired finish with appropriate letter code for cosmetic parts.