



**Model 7167
2-Axis Electronic Joystick**

This unit is ideally suited for many marine and industrial applications such as bow thruster, steering gear and winch control as well as the control of hydraulic servo devices such as waterjets and outboard drives and throttle controls.

It is compact and all components are made in bronze and stainless steel which will give years of trouble-free service.

The potentiometer can be customer-installed or factory supplied. Various potentiometers and gear ratios are available to suit customer requirements. The unit is available in either spring return to mid-position or neutral detent where the lever can be left in any position.

This unit lends itself extremely well for manual-override control for dynamic positioning of drill ships and diving vessels.

Ordering Options:

- A Single Detent
- B Triple Detent
- C Friction
- P One Potentiometer each direction
- PP Two Potentiometers each direction
- S Switches
- R Spring Return

When ordering, state Ohm (1K or 5K) required for Pot. and direction of handle movement (1-3 or 2-4)

Weight: 4 lbs (1.8 kg)
Standard Pot. rotation = 270°

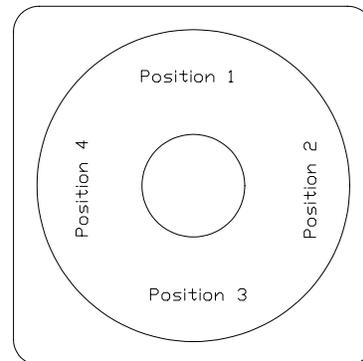
Use the following diagram to help determine your requirement. Triple detent and single detent cannot be mixed on the same axis.

OPTIONS

- 1 Detent
- 3 Detents
- Friction
- Switches
- Pot

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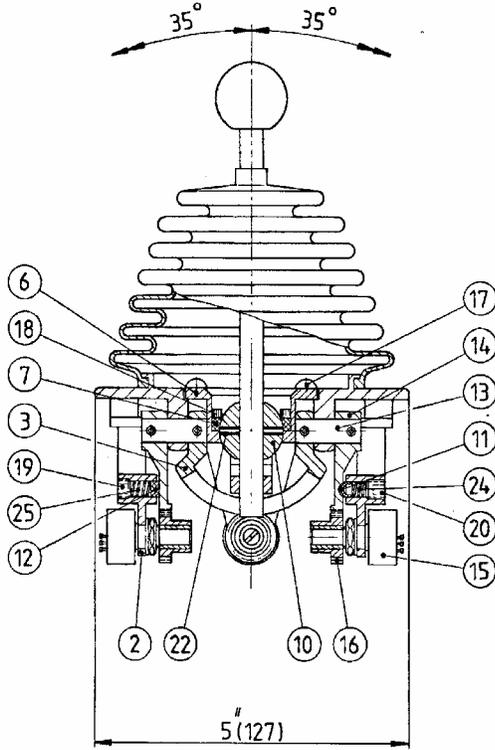
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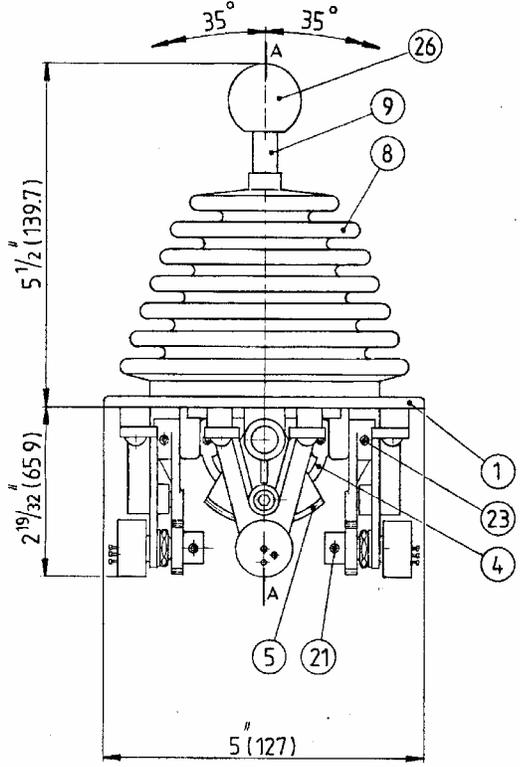
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ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7167-0001	Face Plate
2	4	7167-0002	Pot. Bracket
3	1	7167-0003	Spherical Slide (Upper)
4	1	7167-0004	Spherical Slide (Lower)
5	2	7167-0005	Drive Gear (Friction)
6	1	7167-0006	Pivot Ball Plate
7	1	7167-0007	Pivot Clamp
8	1	7167-0008	Rubber Boot
9	1	7167-0009	Control shaft
10	1	7167-0010	Pivot Ball
11	2	7167-0011	Detent
12	2	7167-0012	Friction Plug
13	4	7167-0013	Hinge Pin
14	2	7167-0005B	Drive Gear (Detent)
15	4*	POT-1	Potentiometer - 1K
16	4*	YPB-3222-mod	Gear - 1/4" I.D. bore
17	12	1010-0806	Pan Hd Philip Screw
18	4	1002-0406	Socket Hd Cap Screw
19	2	1016-1104	Hex Socket Set Screw
20	2	1016-1104	Hex Socket Set Screw
21	4*	1016-0602	Hex Socket Set Screw
22	1	1024-0516	Spring Pin
23	8	1024-0510	Spring Pin
24	2	1201-0188	Spring
25	2	1201-0002	Spring
26	1	2030-0001	Knob

* Quantity may vary with options



All dimensions in inches (mm)

