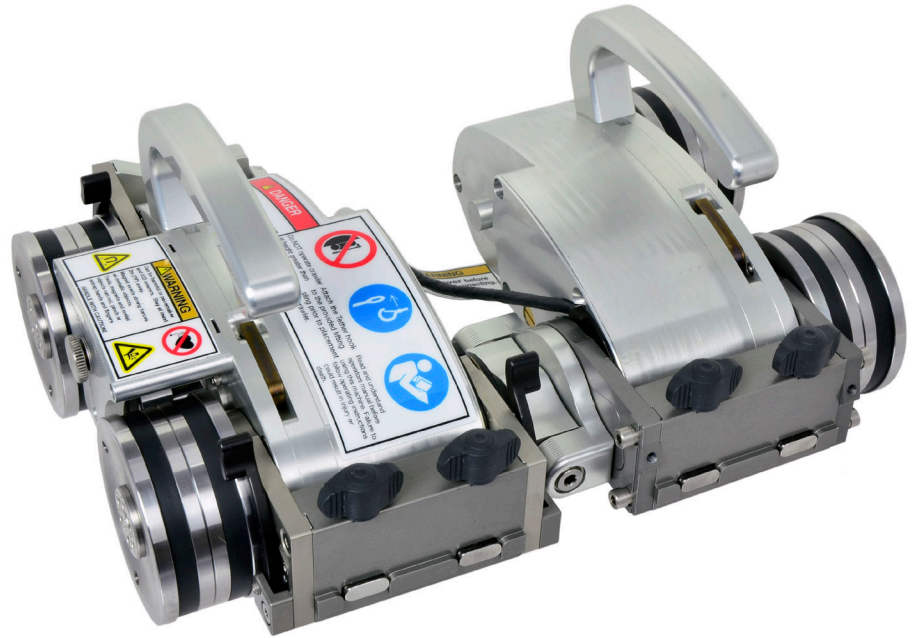


# NAVIC

## BASE CRAWLER MODULAR MOTORIZED SCANNER

The Navic is a modular, motorized, steerable scanner designed to carry multiple attachments used in various scanning and inspection applications. The remote operated scanning platform is capable of circumferential scans from 70mm (2 3/4") minimum OD to flat surfaces and longitudinal scans from 305mm (12") minimum OD to flat. Its joystick-controlled steering allows for smooth and accurate weld tracking.



The modular design of the Navic allows it to carry multiple attachments used for various scanning and inspection applications.

### FEATURES:

- Low Profile Design: The Navic requires a radial clearance of 70mm (2.75") on pipes under 200mm (8") OD and 81.5 mm (3.2") on pipes over 200mm (8") OD, which allows for inspection in limited access applications.
- Magnetic Wheels: Using rare-earth magnets, the Navic can operate on vertical, horizontal, and inverted surfaces.
- Steerable Operation: The Navic's joystick controlled steering allows for smooth and accurate weld tracking on pipes, tanks, and vessels.
- Scan Versatility: The Navic can facilitate circumferential scans on pipes as small as 70mm (2-3/4") OD and 610mm (24") ID, as well as longitudinal scans on pipes as small as 305mm (12") OD. Scanning of flat surfaces is also possible.
- Environmental Sealing: Extensive use of re-sealable o-ring gaskets and seals protect against penetration of contaminants into the unit.

### SPECIFICATIONS:

- Circumferential Pipe Range: 70mm (2 3/4") minimum OD to flat
- Longitudinal Pipe Range: 305mm (12") minimum OD to flat
- Driving Speed: Variable 0 – 254 mm/sec (0 – 10 in/sec)
- Supply Power: 85 – 264VAC 45 – 65 Hz 1 phase
- Crawler Dimensions: Length=8.3" Height=3.2" (4.9" with handles) Width=10.00" (dual pod crawler only)
- Crawler Weight: 7.7kg (17.0lbs)
- System Voltage: 36VDC
- Environmental Sealing: NEMA 4, IP65
- Motor Type: Brushless Servo, integral feedback

### KIT CONTENTS:

- Navic 2 pod scanner
- Navic Controller
- Power supply, 36v (85 – 264VAC 45 – 65 Hz 1 phase input)
- Umbilical (5,10,15 and 30m lengths available)
- Encoder cable, 5m
- Navic controller cable, 6m
- Navic power cable, 3m
- Scanner installation mat
- Navic tether assembly
- Rugged Case

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### ATTACHMENT OPTIONS

