

10D4 Probe Pusher

Modular Pusher for Custom Configurations

FEATURES & BENEFITS

Performance Features

- ▶ Traction Control
- ▶ Wheel configuration reduces stress and prevents probe shaft kinking
- ▶ Heavy-duty construction

Probe Speed

- ▶ 10D4: 0 – 95 inches/second

Supports

- ▶ PM-3 and PM-3A Motor Controllers
- ▶ 10D Power Supply at 115 or 220VAC (factory set)
- ▶ 4-pin, MRPC, Multipurpose, and Universal Slip Rings



PRECISE AND INNOVATIVE MOTION CONTROL

Zetec's 10D4 Probe Pusher is completely modular. Its design consists of two main modules—the Pusher Head and Drive-Gearmotor Take-Up assemblies. Modules are interchangeable as well as configured with different options to optimize the probe pusher for its specific application.

Similar to the Zetec standard 10D, two mirror-image probe pushers combine to form a compact dual unit or separate easily for a convenient space saving layout.

Access when servicing the drive wheels or changing probes is straight-forward without any extra component disassembly. With versatility in mind, probe control can be either independent or simultaneous, depending on your selected test plan.

Powered by a DC Brushless Servo Motor with resolver feedback, the 10D4 Probe Pusher allows precision control of the probe's travel speed. Innovative motion control circuitry provides smooth transition between low- and high-speeds without time-consuming gear changes.

The 10D4 modular design has a tracking encoder accessory available that enables a new pushing feature—Traction Control. Traction Control is a closed-loop motion control process that optimizes push force while preventing premature probe shaft failures. Traction Control monitors the probe speed as well as the drive wheel speed. If Traction Control detects a discrepancy between the two speeds, it automatically adjusts drive speed and wheel pressure to maintain optimum traction on the probe shaft with minimal wear.

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MODULAR PUSHER FOR CUSTOM CONFIGURATIONS

Ordering Information

PART #	SHORT DESCRIPTION
10D4 Pusher Head	
10024216	10D4 Pusher Head — Right-Hand Unit
10024218	10D4 Pusher Head — Left-Hand Unit
10D4 Drive Gearbox Take Up	
10024900	10D4 Drive-Gearbox Take-Up — Right-Hand Unit
10024899	10D4 Drive-Gearbox Take-Up — Left-Hand Unit
10D4 Power Supply	
10024799	10D4 Power Supply III for PM3A
10038276	10D4 Power Supply III for MIZ-85ID
10053657	10D4 Power Supply III for MIZ-200
10D4 Accessories	
10024805	10D4 PM3A Controller
5-000376	ZEC-ACC-MP-36PIN_UNIV_SLIP_RING_90D
10013316-1	ZEC-ACC-MP-36P_66C_SLIP_RING_90DEG
2-501966	ZEC-ACC-10D4-TENSIONER
10004561-1	ZEC-SP-10D-FRONT_CONN_J-LOCK_RS
10004561-4	ZEC-SP-10D-FRONT_CONN_J-LOCK_LS
10007842-1	10D WHEEL REMOVAL TOOL
10008353-1	ZEC-ACC-10D4-VAC_COVER_-1RH_MAN
10008353-2	ZEC-ACC-10D4-VAC_COVER_-2LH_MAN
10024904	ZEC-ACC-10D4-VAC_COVER_-1RH_1.50
10024906	ZEC-ACC-10D4-VAC_COVER_-2LH_1.50
10011860-1	ZEC-SP-10D4-TFENDER_-1RH_1/4IN
10011860-2	ZEC-SP-10D4-TFENDER_-1RH_5/16IN
10011860-3	ZEC-SP-10D4-TFENDER_-1RH_11MM
10012419-2	ZEC-SP-10D8-TFENDER_-1RH_5/16IN
10011860-4	ZEC-SP-10D4-TFENDER_-2LH_1/4IN
10011860-5	ZEC-SP-10D4-TFENDER_-2LH_5/16IN
10011860-6	ZEC-SP-10D4-TFENDER_-2LH_11MM
10012419-5	ZEC-SP-10D8-TFENDER_-2LH_5/16IN
10024530	ZEC-SP-10D-POWER_SUPPLY_SHIP_CASE
10024796	ZEC-SP-10D-MOTOR_WIRED
10024806	ZEC-SP-10D-SPOOL_16IN

PART #	SHORT DESCRIPTION
10D4 Spare Parts Kit	
10012963	10D4 Drive Gearbox / Take Up Maintenance Kit
10038276	10D4 Pusher Head Maintenance Kit
10053657	10D4 Service Tool Kit
10D4 Cables	
10024800	ZEC-CBL-10D-MTR_PWR_W/AIR_10FT
10024919	ZEC-CBL-10D-MTR_PWR_W/AIR_25FT
10024920	ZEC-CBL-10D-MTR_PWR_W/AIR_50FT
10024921	ZEC-CBL-10D-MTR_PWR_W/AIR_75FT
10024922	ZEC-CBL-10D-MTR_PWR_W/AIR_100FT
10024923	ZEC-EXT-10D-MTR_PWR_W/AIR_10FT
10024924	ZEC-EXT-10D-MTR_PWR_W/AIR_25FT
10024925	ZEC-EXT-10D-MTR_PWR_W/AIR_50FT
10024926	ZEC-EXT-10D-MTR_PWR_W/AIR_75FT
10024927	ZEC-EXT-10D-MTR_PWR_W/AIR_100FT
10025711	ZEC-EXT-10D-MTR_PWR_W/AIR_150FT
10024801	ZEC-CBL-10D-MTR_RES_10FT
10024911	ZEC-CBL-10D-MTR_RES_25FT
10026023	ZEC-CBL-10D-MTR_RES_30FT
10024912	ZEC-CBL-10D-MTR_RES_50FT
10024913	ZEC-CBL-10D-MTR_RES_75FT
10024914	ZEC-CBL-10D-MTR_RES_100FT
10024798	ZEC-EXT-10D-MTR_RES_10FT
10024915	ZEC-EXT-10D-MTR_RES_25FT
10024916	ZEC-EXT-10D-MTR_RES_50FT
10024917	ZEC-EXT-10D-MTR_RES_75FT
10024918	ZEC-EXT-10D-MTR_RES_100FT
10025712	ZEC-EXT-10D-MTR_RES_150FT
10024802	ZEC-CBL-10D-PWR_SUP_TO_PM-X_MTR_CTRL_10FT
10024907	ZEC-CBL-10D-PWR_SUP_TO_PM-X_MTR_CTRL_25FT
10024908	ZEC-CBL-10D-PWR_SUP_TO_PM-X_MTR_CTRL_50FT
10024909	ZEC-CBL-10D-PWR_SUP_TO_PM-X_MTR_CTRL_75FT
10024910	ZEC-CBL-10D-PWR_SUP_TO_PM-X_MTR_CTRL_100FT
10038273	ZEC-CBL-MIZ-85_TO_10D-MTR_CTRL_10FT
10038238	ZEC-CBL-MIZ-85_TO_10D-MTR_CTRL_25FT

Zetec: Innovation That Delivers Results

For nearly 50 years, Zetec has advanced NDT standards and science. We provide new insight and control through inspection solutions that protect our customers' most important assets and ensure the quality of their products. By integrating design and engineering with our own manufacturing, Zetec delivers solutions that optimize productivity, safety and total cost of ownership.



Zetec holds ISO 9001 and ISO/IEC 17025 certifications



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