

## Heavy Equipment Commercial Grips

### Heavy Equipment and Material Handling Grips

- Rugged injection molded grip can be outfitted with a variety of OTTO switches
- Ergonomic design for extended use
- Custom designs including termination and mounting
- Left-handed, right-handed or universal orientation
- Soft touch options available



### Contour Grips for Demanding Applications

- Ergonomic design reduces muscle strain and fatigue
- Customizable switch configurations on the front, side and back of grip
- Left-handed, right-handed or universal orientation
- Accommodates virtually any OTTO switch
- Compatible with OTTO JH, JHL and JHM series Hall effect joysticks



G3-C

Grips shown with JHM Medium Joystick

### Off-Highway Grips

- Rugged thermoplastic
- Can be outfitted with a variety of OTTO switches



Palm Grips

Tractor Grips



Control Grips

G3-D



G3-E

## Universal Grips

- Standard design eliminates the need for tooling charges
- Compatible with the OTTO JH, JHL and JHM series Hall effect joysticks
- Custom configurations available
- Accommodates a full line of pushbutton, rocker, toggle, HP Hall effect & HPL proportional output series of switches
- Includes mounting adapter with boot ring
- Various mounting & termination options available
- Soft touch versions available
- 40+ standard faceplate designs



G3-A  
Small Universal Grips available in 16 standard button configurations



G3-B  
Medium Universal Grips available in 10 standard button configurations



G3-C  
Universal Contour Grips available in 15 standard button configurations



G3-A Small Universal Grip with Custom Button Configuration shown mounted on a JH Joystick

## Aerospace and Military Grips

### Military Flight Control Grips

- B8 & Cobra style grips are made in accordance with MIL-DTL-25561
- Most ergonomic versions on the market
- Non-reflecting, non-hygroscopic, rugged injection molded grips
- Choice of termination styles—from integral connectors to wire harnesses
- Threaded disconnect or tube mounting
- Can be populated with MIL qualified switches, standard or custom configurations



### Standard Flight Control Grips

- Made with thin-wall, investment cast aluminum construction
- Incorporates switch access panel for easy repair & maintenance
- Available in three versions:
  - Left hand with hand rest
  - Right hand with hand rest
  - Right hand with no hand rest



### Throttle Control Grips

- Control for fixed-wing aircraft
- Custom toggle & rocker switches can be used to meet high cycle requirements



### Ground Vehicle Grips

- Thin-wall, investment cast aluminum construction for high strength and low weight
- Large variety of faceplate configurations
- Operator presence and trigger options
- Grip can be customized with a variety of OTTO switches
- USB output option



### Helicopter Cyclic & Collective Grips

- Thin-wall, investment cast aluminum construction for high strength & low weight
- Modular construction
- Custom heads & switch mounting plates can be fabricated to fit standard handles
- Available with switch access panel for easy repair & maintenance
- A variety of button colors & style options available
- Transducer & electromechanical trim switch options



## Dual Grips

### Dual Grips

- Durable, lightweight game style grip
- Standard USB or serial interface
- Readily available options include HTL series joysticks and pushbutton switches
- Excellent proportional control
- Switches sealed to IP68S
- Switches provide excellent EMI/RFI shielding

