Unidrum Lever
Metric Push-Pull and Pull-Only Hand Control

Description:
Unidrum Lever
Industrial Metric Push-Pull and Pull-Only Hand Control

Applications:
- Medium to light duty throttle compactors
- Valve dump control jackhammers
- Hydraulic valve control concrete cutters
- Backhoe throttle

Features:
- Adjustable friction lock
- 5 to 1 mechanical advantage
- Adjustable mechanical stops

Other Related Products:
- All other hand levers

Hand Control
Industrial
A control head designed primarily for hand throttle applications on commercial and industrial vehicles, and also suitable for many other uses. Compact and efficient for imparting light-to-medium pull-only or push-pull loads through flexible conduits and inner-members. Unidrum controls hold and operate up to 12kg push-pull or pull-only output loads. Mechanical advantage at knob is 5 to 1. There is a self locking nut for operator adjustment of friction setting. The adjustable stop plates allow 10° (5mm linear output) incremental travel adjustment. 50mm of cable travel requires approximately 90° lever travel. 75mm of cable requires approximately 135° lever travel. The lever position is adjustable in 60° increments to provide optimum operating range. Optional cable entry offers four mountings/directions of operation alternatives. Also available with a smaller handle for light duty applications or with a locking handle.
Unidrum Lever

- Hold and operate up to 11kg push-pull or pull-only output load. Mechanical advantage at knob is 5/1.
- Self-locking nut for operator adjustment of friction setting.
- Adjustable stop plates allow 10° incremental travel adjustment.
- Lever position is adjustable in 60° increments.
- Four optional cable entry alternatives.
- Rugged diecast zinc alloy material.
- Mount with (4) M5 screws or bolts.

**CH205/206**

**CH240**

**CH260**

**CH220 (Miniature)**

Cable Exit Positions

All line art dimensions are represented in millimeters
• Hold and operate up to 12kg push-pull or pull-only output load. Mechanical advantage at knob is 5/1.
• Self-locking nut for operator adjustment of friction setting.
• Adjustable stop plates allow 10° (5.5mm linear output) incremental travel adjustment. 50mm of cable travel requires approximately 90° lever travel.
• Optional cable entry.
• Rugged diecast zinc alloy material.
• Side mount at 104 centres.

Output End Configurations

VLD Utility

1. Threaded Swivel
   Dimension A Per Stroke (extended)
   50.8mm 176.28mm
   76.2mm 227.07mm

2. Grooved Swivel
   Dimension A Per Stroke (extended)
   50.8mm 158.75mm
   76.2mm 209.55mm

LD Utility

3. Threaded Swivel
   Dimension A Per Stroke (extended)
   50.8mm 182.37mm
   76.2mm 233.17mm

4. Grooved Swivel
   Dimension A Per Stroke (extended)
   50.8mm 166.62mm
   76.2mm 217.42mm

VLD Bristow®

5. Threaded Cap
6. Grooved Cap

All line art dimensions are represented in millimeters.
### Cablecraft® Ordering Codes

#### Basic Unidrum Lever
- **Knob Color**
  1. Black 165-505-101
  2. Red 165-505-102

#### Cable Exit Position (see illustration)
- 1. Lower Mount, Left Exit
- 2. Lower Mount, Right Exit
- 3. Upper Mount, Left Exit
- 4. Upper Mount, Right Exit

#### Output End Configuration, Cable Size & Type
- **Style**
  1. Threaded Swivel
  2. Grooved Swivel
  3. Threaded Swivel
  4. Grooved Swivel
  5. Threaded Cap
  6. Grooved Cap
- **Size**
  - VLD
  - LD
  - Utility
- **Type**
  - Bristow®

#### Travel (mm)
- **Cable**
- **Lever**
- 2. 50 approx. 90°
- 3. 75 approx. 135°

#### Overall Length (mm)

### Replacement Cables

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*Please refer to the cautions/warnings and appropriate installation usage information in the Technical/Application Data sheet.

*For application assistance/technical questions, please contact us at the appropriate location listed below or through our website at www.tuthillcontrols.com*