

T12 & T20 Series

F-N-R Cable Throttle Controls

Key Features

- Integrated system approach with both the Control and Connector Kit
- Designed specifically for use on heavy-duty mobile equipment
- All wearing surfaces, including the levers and gate plates, are case-hardened steel
- The gate plate and output levers are arranged to move to reverse and low gear with the same lever movement
- The controls are assembled to accommodate any standard 3" stroke push-pull cable having 1/4-28 or 5/16-24 rod ends
- Gate plate markings are silk-screened in bold, white characters and over-coated with clear polyurethane

The T12 & T20 series controls are designed for mechanical actuation of cables connected to hydrostatic valves. The T12 is a single lever design and the T20 is a dual lever design. Both styles are 'Return To Neutral' levers; when the operator takes their hand off the lever, the back pressure from the hydrostatic valve system will pull the lever back to the Neutral position. Vehicle OEMs that are seeking a Friction Lever that will 'Hold The Position' when the operator releases the lever should look to the T4, T5 & T6 Series.

The T12 & T20 are ideal for Forward-Neutral-Reverse transmission applications using a hydrostatic drive system. Vehicle OEMs rely on the rugged design found in the T12 & T20 for Airport Tugs, Asphalt Rollers, Cargo Loaders, Log Skidders and Railroad applications where the operator needs a simple control that easily allows them to reverse direction without taking their hands off of the controls.

The Gate Plates are available with 'I' or 'Z' patterns based on your application needs. In addition, the T12 & T20 can be designed without the gate plate to fit your dashboard design criteria.

Optional pushbutton switches can be installed on the standard handle configuration. Custom handles can be designed to achieve Vehicle OEM design requirements including a wider array of switches or controls.

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Specifications

Hydrostatic Control	'I', 'Z' or 'Step' Pattern	Linear Output
Input Motion	Transmission (F-N-R)	±45º
	Throttle	±45º
Output Stroke	Transmission (F-N-R), Linear	±1.5 inch (±38.1 mm)
	Transmission (F-N-R), Non-Linear	±1.5 inch (±38.1 mm)
Standard Connections	Push-Pull Cable	¼-28
	Push-Pull Cable	5/16-24
Materials	Body	Steel
	Lever	Steel
	Control Handle	Molded Polycarbonate
Control Handle	Ball Knob	Standard
	Control Grip	Optional
	Joystick	Optional

T12 Dimensions

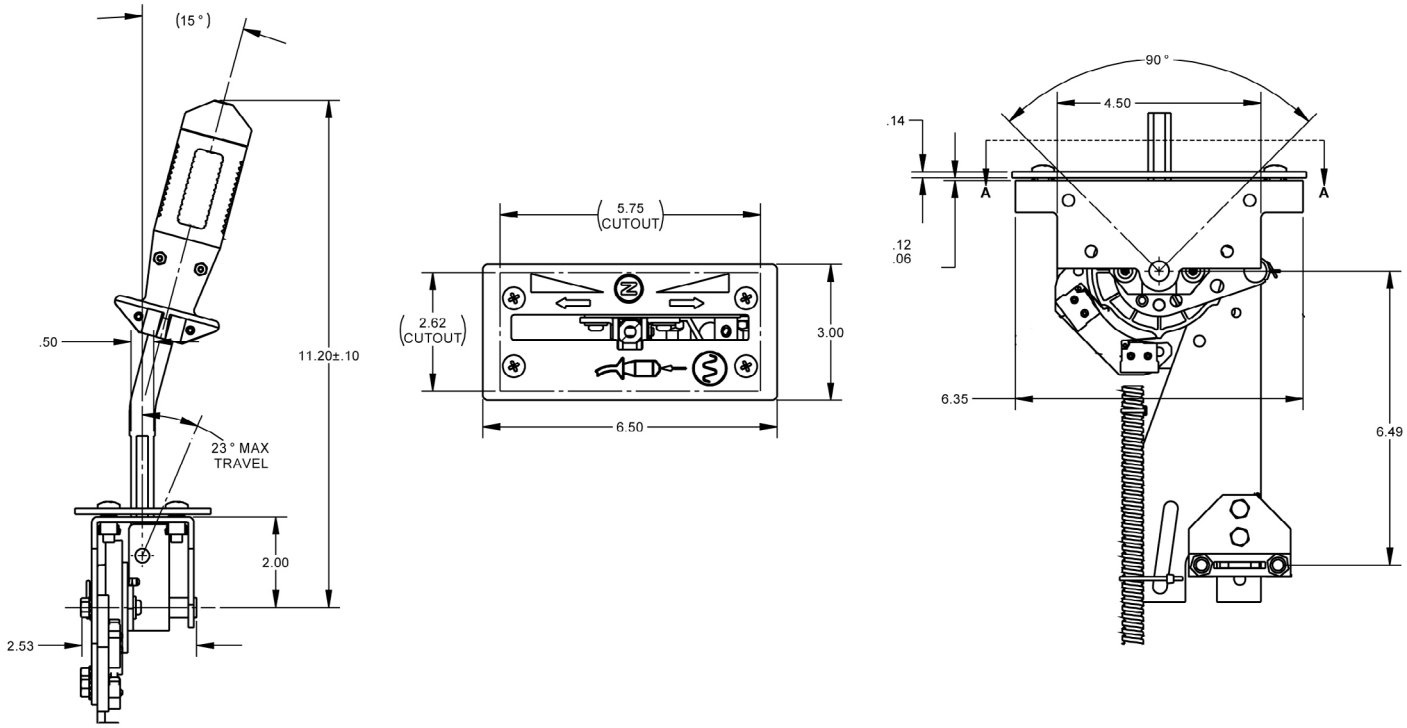


Figure 1: T12 Dimensions

T12 & T20 Series

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T20 Dimensions

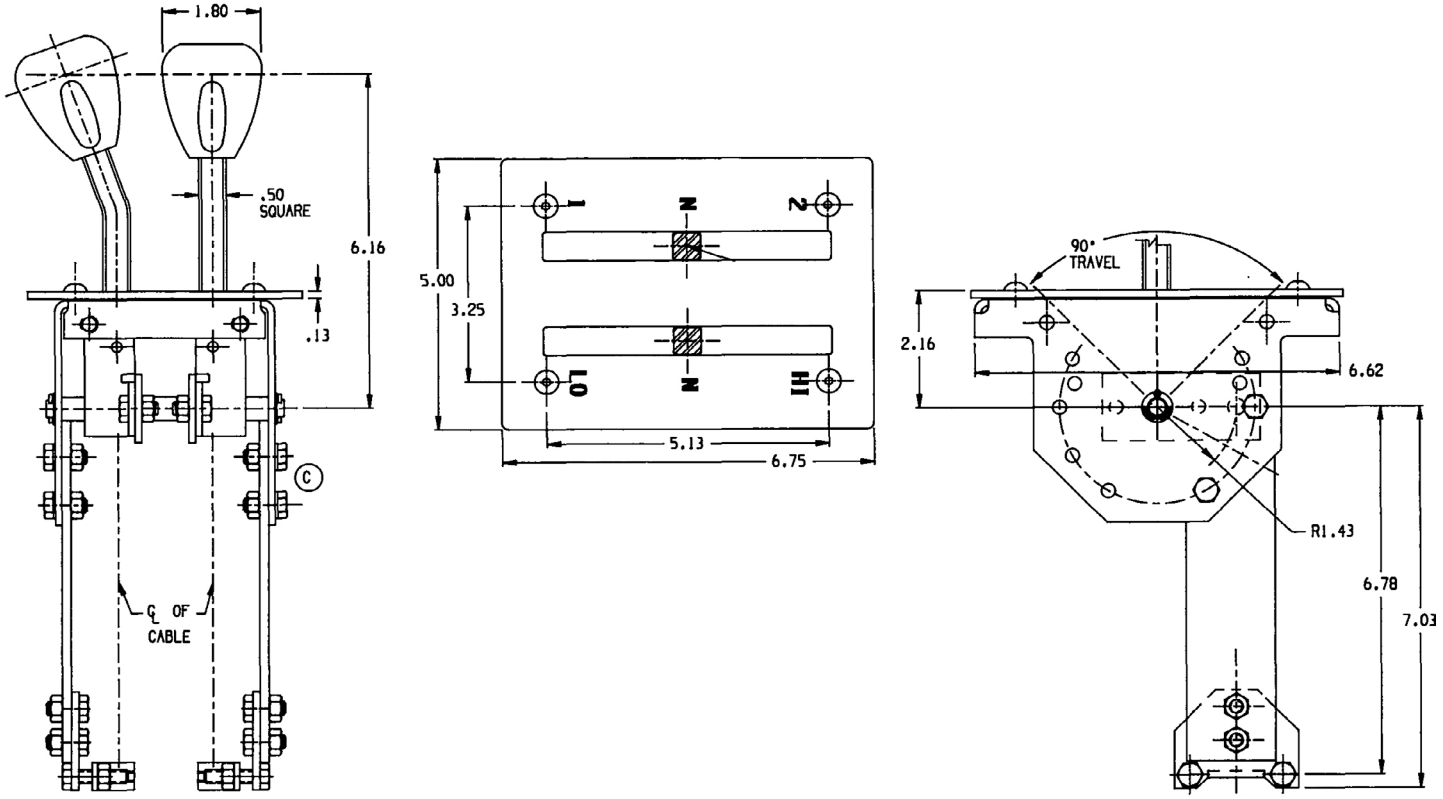


Figure 2: T20 Dimensions

T12 & T20 Series

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