

ORSCHELN®

T-Handle and Push Button Shifters

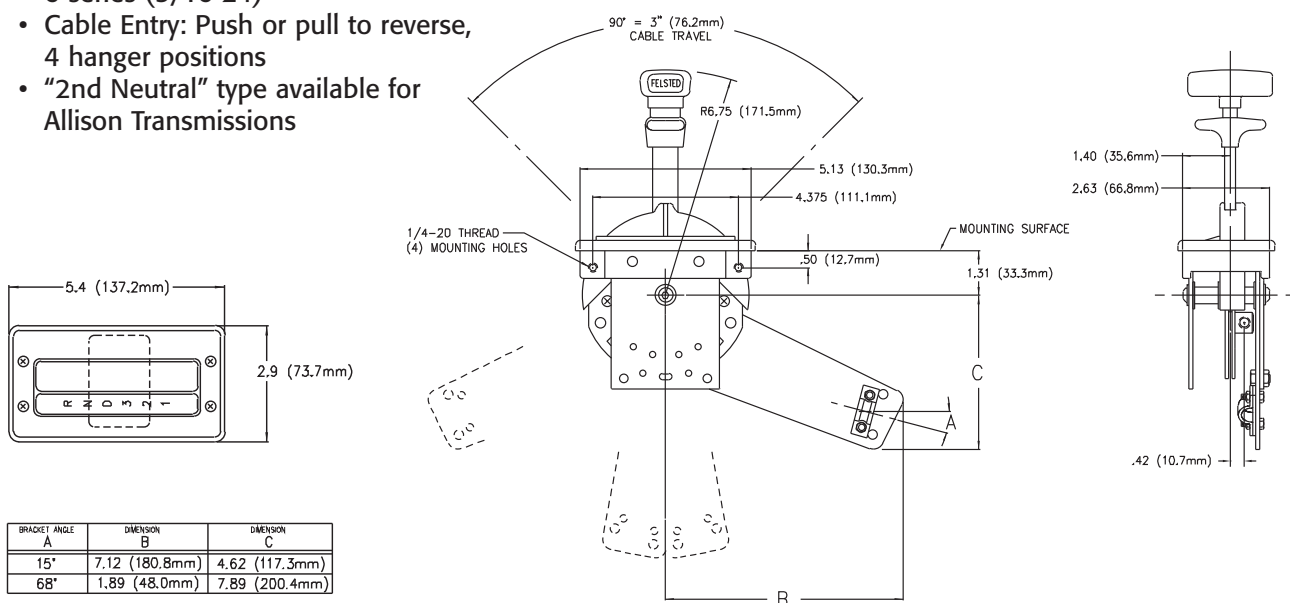
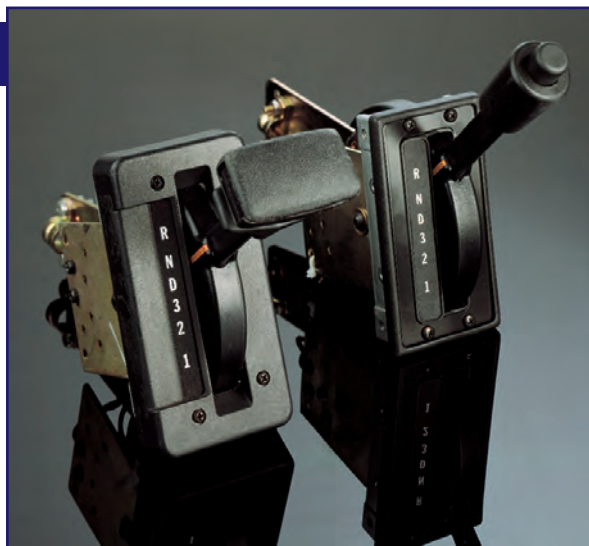
The T-Handle and Push Button shifters are time proven designs for rugged operation in trucks and buses. They have flexible options available and the T-Handle can be custom assembled by many of our F.A.S.T. distributors.



Get it F.A.S.T.®!

SPECIFICATIONS

- Lamp Illumination: 14 volts, orange lens
- Switches: ball type, see options for Neutral and/or Reverse
- Travel: 3 inches
- Cable Connection: 4 series (1/4-28) or 6 series (5/16-24)
- Cable Entry: Push or pull to reverse, 4 hanger positions
- "2nd Neutral" type available for Allison Transmissions



BRACKET ANGLE	DIMENSION B	DIMENSION C
15°	7.12 (180.8mm)	4.62 (117.3mm)
68°	1.89 (48.0mm)	7.89 (200.4mm)

Transmission Models		BASIC NUMBER			2nd Neutral P-B Shifter	Position Strip
		T-Handle	Push Button	Shift Inhibitor		
ALLISON	AT 540, AT 545, AT 543 MT 643, MT 647, MT 644 (MT 640)	55051	55751	56051	—	R,N,D,3,2,1
	MT 653 DR CLT 650 (MT 650)	55052	55752	56052	—	R,N,2-5,2-4,2,1
	MT 654 CR, MT 750 CRD CLT 654	55053	55753	56053	—	R,N,1-5,1-4,1-3,1-2,1
	HT 754 CR	—	—	56054	—	R,N,D,4,3,2,1
	V 730	55054	55754	—	—	R,N,D,2,1
	HT 750 DRD CL (B) T 750	55055	55755	56055	—	R,N,2-5,2-4,2-3,2,1
	HT 740, HT 740FS, HT 740RS	55056	55756	56056	—	R,N,D,3,2,1
	AT542N, AT545N AT1542N, AT1545N	—	—	—	55934 MECHANICAL USES CABLE	P-B,R,N,D,D3,D1
	AT542N, AT545N AT1542N, AT1545N	—	—	—	55946 ELECTRICAL	P-B,R,N,D,D3,D1

Items listed within yellow field are Basic Part Numbers. Refer to these when ordering a shifter.

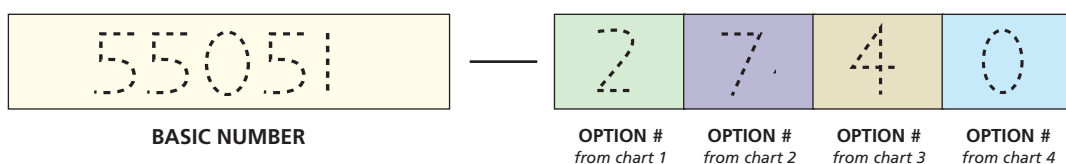
See page 6 for Shift Inhibitor and 2nd Neutral P-B Shifters.

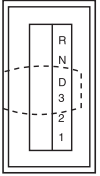
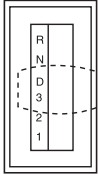
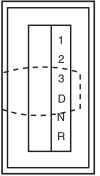
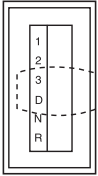
How to Order the Shifter

Ordering the exact shifter that meets your requirements is not difficult. Simply follow the instructions below to create your own part number. (Example: you are ordering basic part #55051 to fit your Allison transmission #MT 643. You desire the following configuration: Right-hand mount/reverse to front (Chart 1, Option #2); push to reverse/vertical cable hanger (Chart 2, Option #7); 4 Series Cable (Chart 3, Option #4); No Switches (Chart 4, Option #0). Your part number would be 55051-2740.)

1. Match your automatic transmission model to the basic part number. This is your BASIC NUMBER.
2. Refer to Charts 1 through 4 on this page for assembly configuration in order to meet vehicle and system requirements. (Not applicable to Shift Inhibitor and 2nd Neutral P-B Shifter.)
3. Follow the form below and enter the option number desired from each chart in the appropriate order.

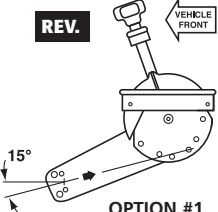
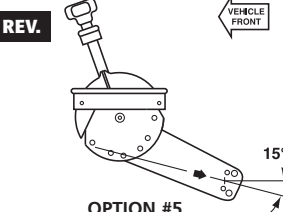
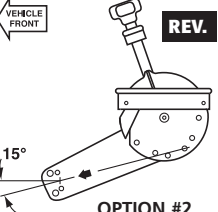
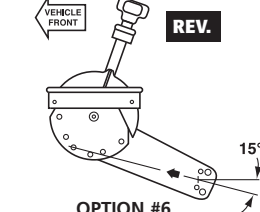
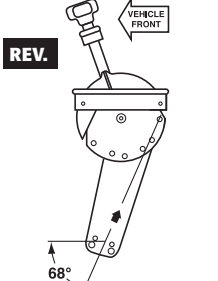
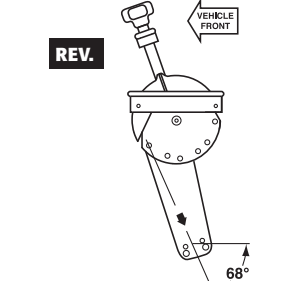

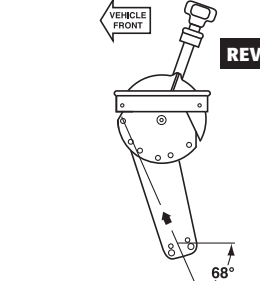
EXAMPLE



CONTROL MOUNT/REVERSE POSITION OPTIONS		CHART 1	
 <p>Vehicle Front Reverse to Front</p>	 <p>Vehicle Front Reverse to Front</p>	 <p>Vehicle Front Reverse to Rear</p>	 <p>Vehicle Front Reverse to Rear</p>
OPTION #1 Left-Hand Mount	OPTION #2 Right-Hand Mount	OPTION #3 Left-Hand Mount	OPTION #4 Right-Hand Mount

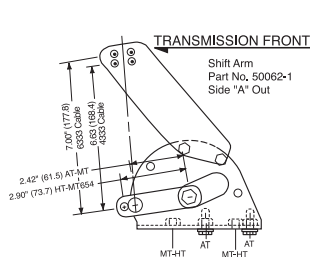
CABLE SERIES OPTIONS		CHART 3	
OPTION #4 4 Series 1/4 - 28 Thread (.25 - 28)	OPTION #6 6 Series 5/16 - 24 Thread (.31 - 24)		

ELECTRIC SWITCH OPTIONS		CHART 4	
OPTION #0 No Switches	OPTION #1 Reverse Switch		
OPTION #2 Neutral Switch	OPTION #3 Reverse and Neutral Switch		

CABLE HANGER BRACKET POSITION OPTIONS		CHART 2	
REVERSE TO FRONT - USE WITH CONTROL MOUNT OPTIONS 1 & 2		REVERSE TO REAR - USE WITH CONTROL MOUNT OPTIONS 3 & 4	
 <p>OPTION #1 Cable PULLS Transmission Arm into REVERSE</p>	 <p>OPTION #5 Cable PUSHES Transmission Arm into REVERSE</p>	 <p>OPTION #2 Cable PUSHES Transmission Arm into REVERSE</p>	 <p>OPTION #6 Cable PULLS Transmission Arm into REVERSE</p>
 <p>OPTION #3 Cable PULLS Transmission Arm into REVERSE</p>	 <p>OPTION #7 Cable PUSHES Transmission Arm into REVERSE</p>	 <p>OPTION #4 Cable PUSHES Transmission Arm into REVERSE</p>	 <p>OPTION #8 Cable PULLS Transmission Arm into REVERSE</p>

Transmission Connection Kits

Transmission kits come complete with shift arm, transmission mounting bracket, cable hanger and required hardware. Connection kits are designed to fit any of the five most popular entry positions to the transmission shift arm. Refer to the following drawings to find the cable entry that best fits your vehicle requirements and shifter control positions (push to reverse, pull to reverse), then assemble the kit to match the installation required. Shown below are configurations that can be made from the Universal Kit. (Universal Kit #59005 includes all parts to assemble any 59004 and 59006 kit configuration.)

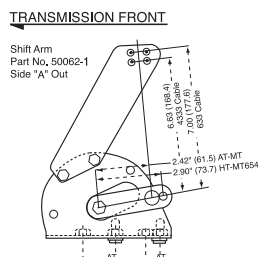


CONFIGURATION #1

Cable **PUSHES** Transmission Arm into REVERSE.

Use with Shifter Control Positions numbers 2, 4, 5, 7.

Cable 100-4333-L / 100-6333-L

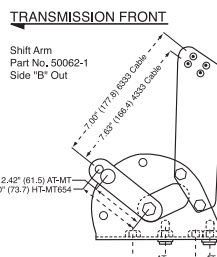


CONFIGURATION #2

Cable **PULLS** Transmission Arm into REVERSE.

Use with Shifter Control Positions numbers 1, 3, 6, 8.

Cable 100-4333-L / 100-6333-L

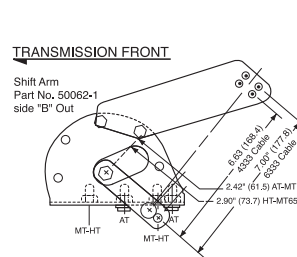


CONFIGURATION #3

Cable **PUSHES** Transmission Arm into REVERSE.

Use with Shifter Control Positions numbers 2, 4, 5, 7.

Cable 100-4333-L / 100-6333-L

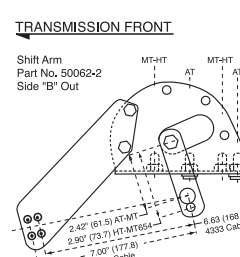


CONFIGURATION #4

Cable **PULLS** Transmission Arm into REVERSE.

Use with Shifter Control Positions numbers 1, 3, 6, 8.

Cable 100-4333-L / 100-6333-L



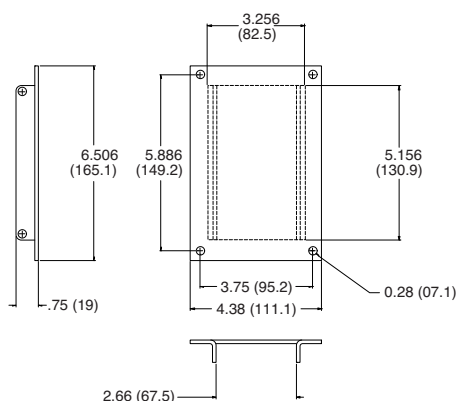
CONFIGURATION #5

Cable **PUSHES** Transmission Arm into REVERSE.

Use with Shifter Control Positions numbers 2, 4, 5, 7.

Cable 100-4333-L / 100-6333-L

Accessories



TRANSMISSION CONNECTION KITS

UNASSEMBLED UNIVERSAL KIT OIL PAN MOUNT

59004 4 Series
59006 6 Series
59005 4 and 6 Series
Hardware

Kits to be assembled in field to fit installation required.

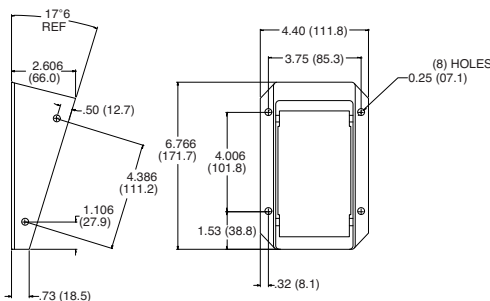
MACHINE PAD MOUNT

59369-1 4 Series
59369-2 6 Series

Mount to machine pad above the transmission shift arm. They do not mount to oil pan bolts as shown in diagrams above.

* HT Series, MT 654 with 4.5" oil pan.

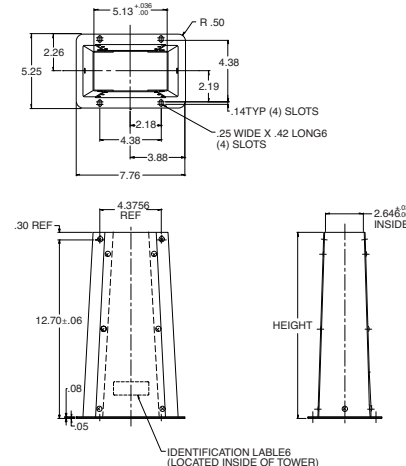
For refuse and HD applications.



MOUNTING WEDGE

59009

A cast aluminum wedge with a matte black epoxy finish. Raises the shifter to a 17° angle from desired mounting surface. Kit is complete with control mounting hardware. Use with cable hanger bracket in any position except #1 or #2.



MOUNTING TOWER

59000 (13")

59035 (9")

A prefabricated tower with a matte black epoxy finish. Features access panels on both sides for easy installation and adjustment. A rubber floor gasket is included with tower. Kit is complete with control mounting hardware. For use with cable hanger positions #3, 4, 7, and 8 ONLY!

MOUNTING FLANGE

59002

Made of prefabricated steel with a matte black epoxy finish. Simplifies a top mount installation and is perfect for vehicle conversions. Kit is complete with control mounting hardware. Use with cable hanger bracket in any position.

SWITCH AND PIN SET KIT

50036-1

SWITCH SET

50036-2

PIN SET

50036-3

FINGER RELEASE KIT

59193-1

T-HANDLE KIT

59228

This product combines the strength and reliability of the T-Handle Shifter with the latest in manufacturing technologies to produce a high value control system for our customers.

As an added feature, we have incorporated a quick-connect cable mounting system into this control. Utilizing a clamp built into the cable mounting bracket, the assembler needs only a standard 1/4 x 1" bolt and locknut to attach the cable to the control. This allows faster assembly of the cable, while using common mounting hardware available anywhere.

STANDARD FEATURES:

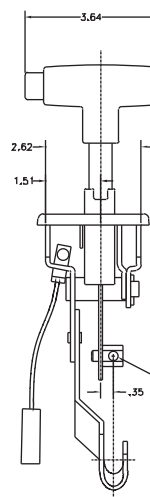
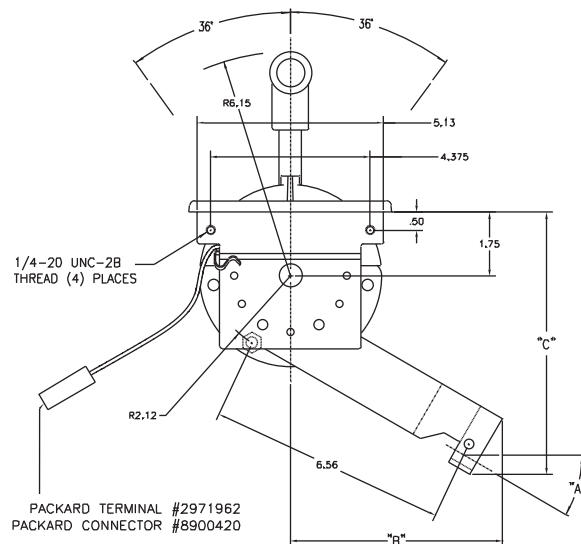
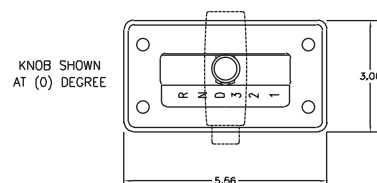
- Steel chassis and handle assembly
- Black E-coat finish on handle and zinc plating on other metal parts for corrosion protection
- Black textured polymer knob and trim covers
- Four 1/4-20 threaded mounting holes
- All detents are positive locking (no ramping between detents)
- Requires 4 series, 3" travel cable with clamp type hub and 1/4-28 rod threads
- Maximum 2-1/2" of actual cable travel produced
- Built-in cable clamp requires a 1/4 x 1" bolt w/locknuts: Kit #NG0016-1
- Unthreaded pivot for easy cable hook-up

AVAILABLE CONFIGURATIONS:

- Right- or left-hand mounting
- Push or pull to reverse
- Top mounting plate available
- 14 or 28 VDC illumination, single or dual (ground included) wire leads
- Electrical switches – contact factory
- Side push button factory preset at 0 or 45 degrees
- Cable bracket angle factory preset at 0, 30, 60, or 90 degrees.
- Currently available for Allison AT545, MT643, MT653DR, MT654CR, HT740, HT750CR, HT750DR, HT754CR
- There are no charts to build a part number with this style control. Consult factory with specifications to receive recommendation and part number.



KNOB SHOWN AT (45) DEGREE



CABLE BRACKET DIMENSIONS		
"A" ANGLE	"B" DIM	"C" DIM
0	7.00	4.01
30	5.83	7.21
60	3.09	8.94
90	2.26	8.75

4 SERIES CABLE MOUNTING
1/4" BOLT (1" LONG) AND LOCKNUT
REQUIRED, TORQUE 45-55 IN-LBS.
USE KIT NG0016-1

Shift Inhibitor

The Shift Inhibitor is designed to prevent costly drivetrain damage due to high RPM shifting.

Automatic transmissions in refuse packers and similar heavy-duty vehicles, especially those involved in frequent stop-and-go PTO operations where engine speeds above idle are required, can suffer major abuse from improper shifting. If the driver does not wait until engine RPMs return to idle before shifting, high inertial loads can be forced upon the transmission and drivetrain, potentially leading to extensive and expensive damage.

The Shift Inhibitor System combats this by delaying the shifting process until the engine has returned to idle speed. It is a pneumatic-mechanical system and complies with the Allison® Transmission Watch Notice #65, requiring a neutral to range shift inhibitor system.

SYSTEM COMPONENTS:

- Shift inhibitor control
- Engine speed sensor*
- Speed switch*
- Airbrake Tubing*
- Push-Pull Cable
- Fittings*
- Transmission Connection Kit

* These items are not supplied.
Use this bulletin to determine the shifter part number, then consult with Sales/Engineering to create the correct system for your application.

2nd Neutral P-B Shifter

This control is used on Allison's AT transmissions that have a 2nd neutral position beyond reverse and no internal parking pawl mechanism. Movement of the shift selector from reverse to the "PB" position will shift the transmission into 2nd neutral and actuate the vehicle Spring Parking Brake system control.

In the mechanical control, brake actuation is accomplished through a push/pull cable. In the electrical control, brake actuation is accomplished through an electrical switch.

The shift position indicator reads "PB R N D 3 D1".

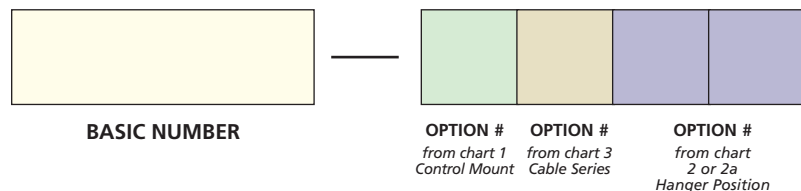
SPECIFICATIONS:

- Rugged steel construction.
- Four 1/4-20 threaded mounting holes.
- 14 volt illumination, single wire with chassis ground.
- Uses a 4 series High Performance transmission shift cable.
- Detents are ramped "D1" thru "N" on upshift and "R" to "N" on downshift.
- Mechanical brake actuation cable is 3 series. Cable travel is .74" from "R" to "PB".
- Electrical brake actuation switch has contacts closed in all positions "D1" thru "R". Switch contacts open in "PB" position only. Electrical load not to exceed 1 amp inductive @ 13 VDC.

How to Order the Shift Inhibitor and 2nd Neutral P-B Shifter:

1. Select proper BASIC NUMBER box from page 2 of this brochure.
2. Select position from Chart 1 on page 3.
3. Select Cable Series from Chart 3 on page 3.
4. Select Hanger Bracket Position from Chart 2 on page 3 or Chart 2a right. Note: If using options from chart 2 on page 3, place a "0" prefix with the single digit in box below.

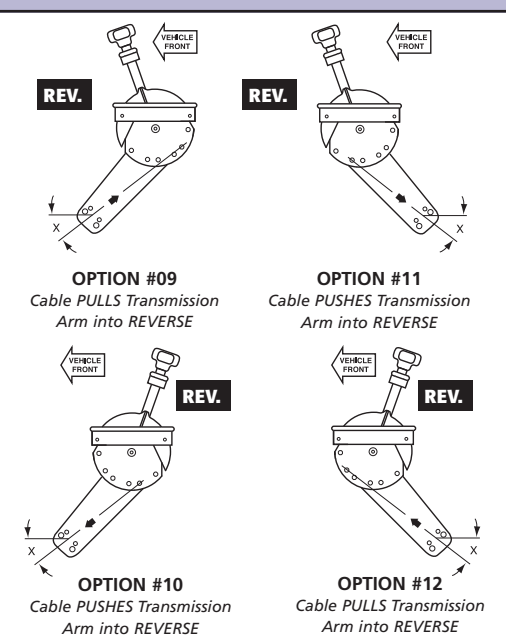
NOTE: These shifters offer 4 positions NOT available with the standard T-handle shifters. They are shown as additional options on this page.



These positions are available only for Shift Inhibitor and 2nd Neutral P-B Shifter.

MORE CABLE HANGER BRACKET CHART 2a POSITION OPTIONS

X = 36° for shift inhibitor X = 45° for 2nd neutral shifter



Modulators

The modulator cable control is designed to send the engine throttle rate (on a mechanically governed engine) to the hydraulic control valve in the transmission. It will fit Allison™ Transmission models AT500, MT600, HT700, V730, CLT650, and CLBT750 series.



Get it F.A.S.T.®!

SPECIFICATIONS:

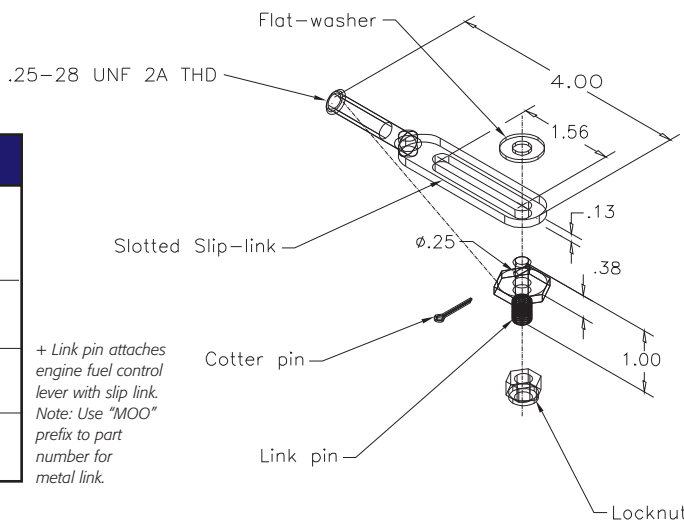
- Control Cable is polymer lined rated at 300° F (149° C)
- 4 inch bend radii minimum
- Built-in spring returns to idle
- Pull function recommended, but push also available
- Can be locally assembled via F.A.S.T. cable assembly distributors.



Modulator Slip Link Kit (shown at right)

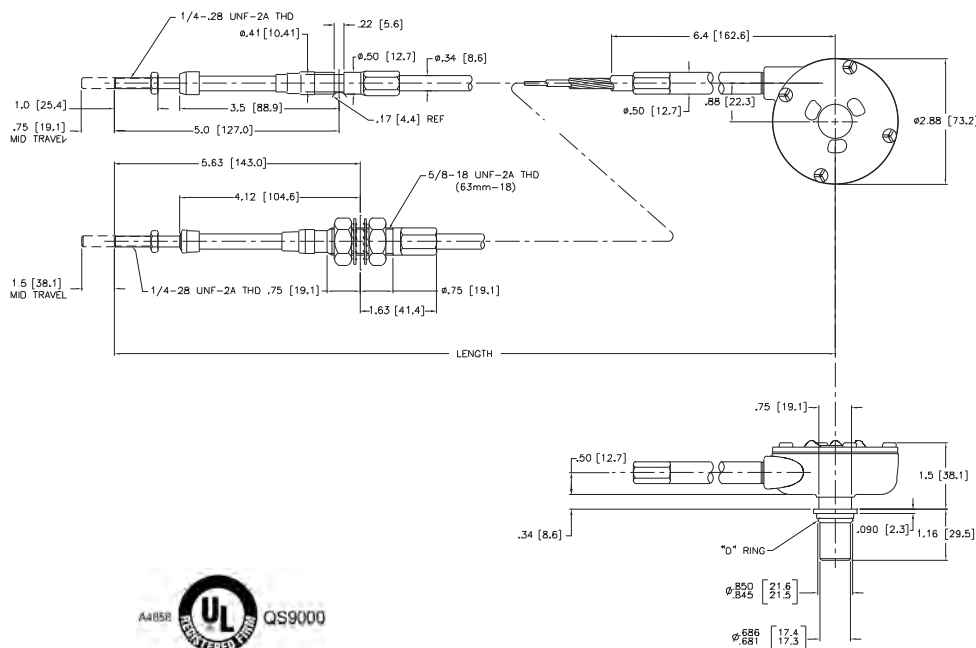
The Slip-Link kit includes the necessary hardware for complete installation of the kit to the engine fuel control lever. Kit includes a slotted slip-link, link pin, flatwasher, cotter pin and locknut. To order, see chart below.

Polymer Link Part No.	Thread Size	For Use with Modulator Part No.
59049-1	(3 Series) 10-32UNF-2A THD	2124, 2179, 2180
59049-2	(4 Series) 2528UNF-2ATHD	2220, 2225, 2230, 2235

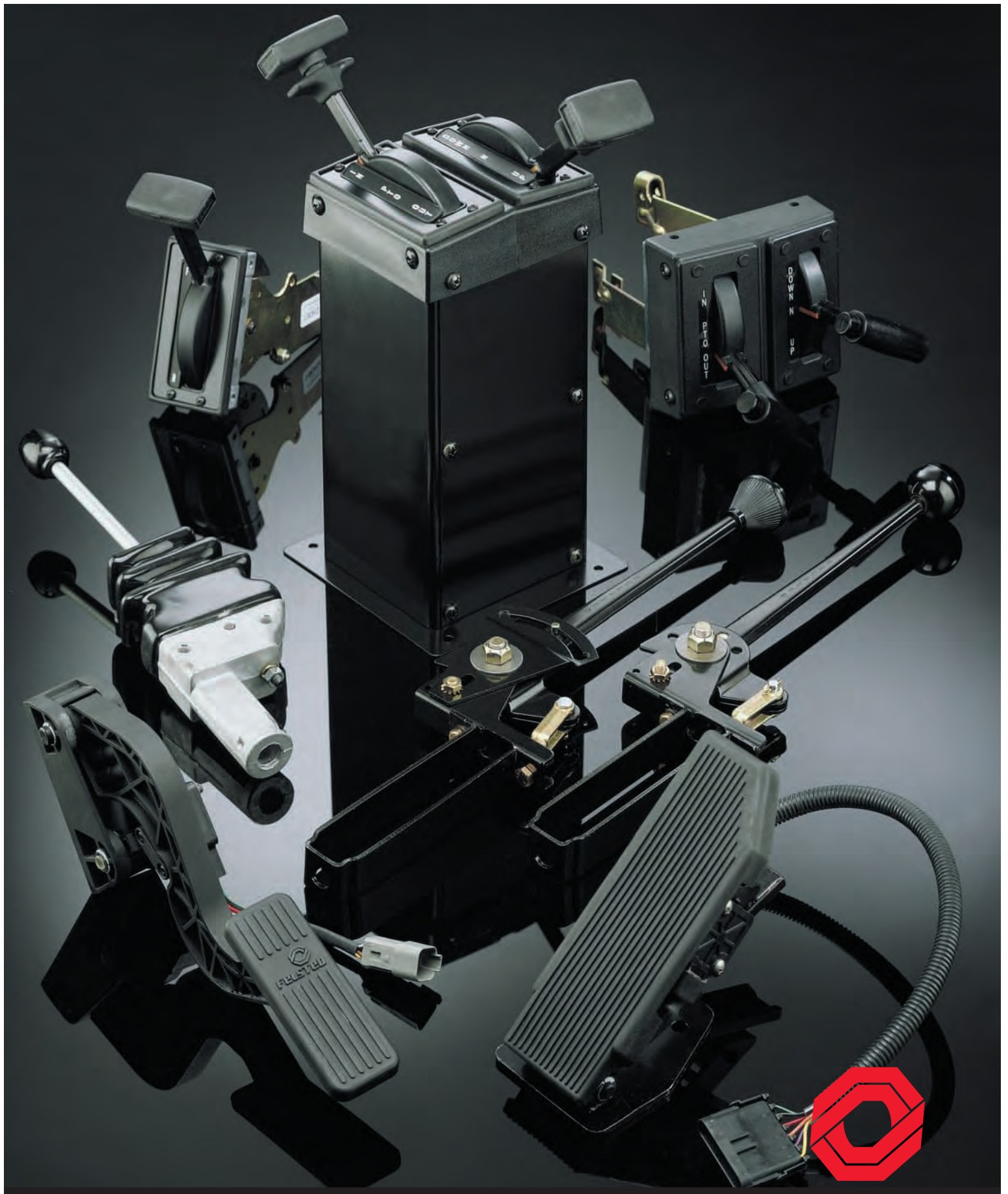


Pull Type	Description	Transmission
2124	Clamp	FMX
2130	Bulkhead	Allison
2179	Clamp	C-6
2180	Bulkhead	C-6
2182	Bulkhead	Hydramatic (350/400)
2183	Clamp	Hydramatic (350/400)
2220	Bulkhead	Allison
2230	Clamp	Allison

Push Type	Description	Transmission
2225	Bulkhead	Allison
2235	Clamp	Allison



Specifications subject to change without notice.

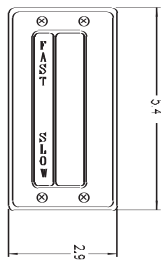


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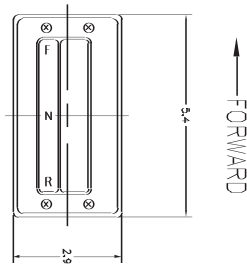
Felsted® Engine, Valve, and Pump Controls

Throttle Control with Friction Pad

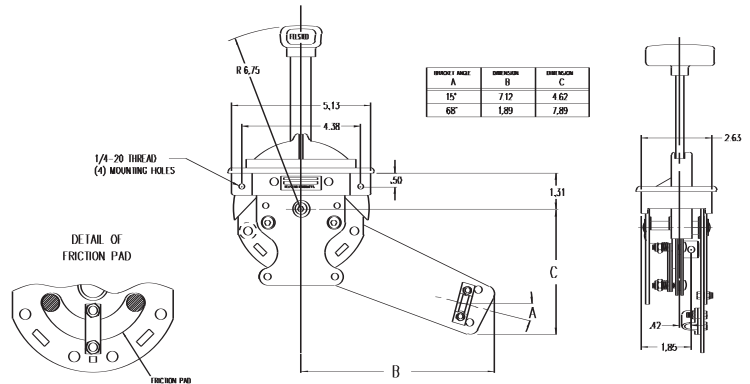
Tough, demanding conditions on mining and construction equipment, drilling rigs, and on and off-highway equipment need a throttle control that is adjustable and stays put. The friction pad was formulated from a special material that gives the control the positive feel and settings needed, especially in an environment with vibration and contaminants. This hand operated control connects to a push-pull cable that is attached to the engine governor, or other apparatus needing variable control.



55801 - OPTIONS
Locks in "slow" position



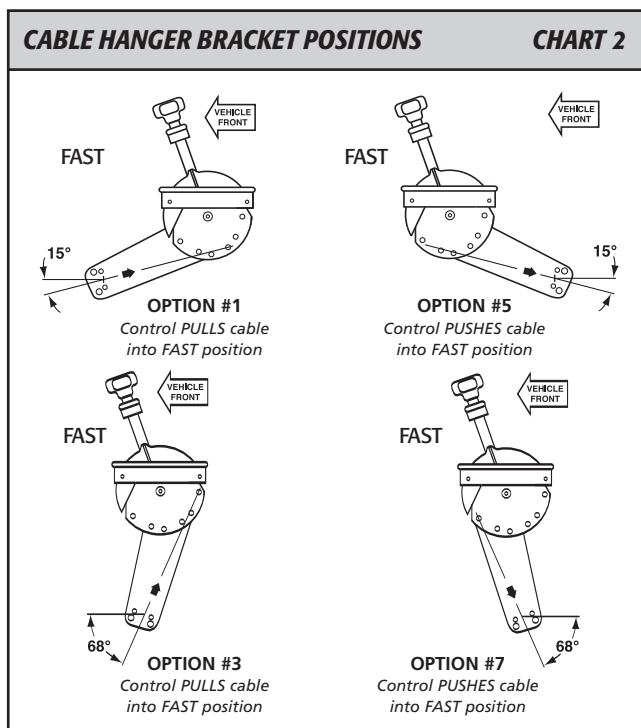
55943 - OPTIONS
Locks in "N" position



How to Order the Throttle Control

Handle Type	Position Indicator	Assembly Part Number							
T - HANDLE	F - N - R	55943	—						
	FAST - SLOW	55801							
TOP PUSH BUTTON	FAST - SLOW	55800							
				OPTION # chart 1	OPTION # chart 2	OPTION # chart 3	OPTION # chart 4	OPTION # chart 5	OPTION # chart 6

Follow the charts below to construct the ASSEMBLY PART NUMBER for your specific throttle control. First, choose the type of throttle control you need (first 5 digits). Second, choose appropriate options from each chart and place the option # into the appropriate coded boxes. When combined, you will have your ASSEMBLY PART NUMBER.

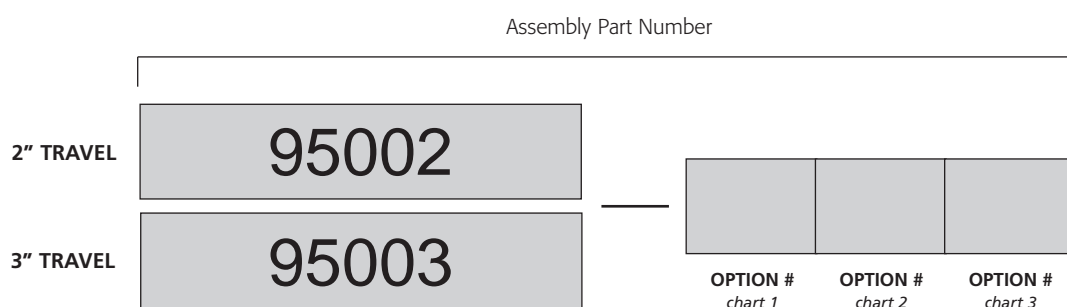


CONTROL MOUNT/FAST POSITIONS		CHART 1
Vehicle Front	"Fast" or "F" to front	
OPTION #1 LEFT hand mount	OPTION #2 RIGHT hand mount	
CABLE SERIES OPTIONS		CHART 3
4 Series 1/4-28 (.25-28) Thread	6 Series 5/16-24 (.31-24) Thread	
4	6	
CABLE TRAVEL OPTIONS		CHART 4
2" Travel	3" Travel	
2	3	
Note: All controls must use a 3" Travel Cable.		
GATE CONFIGURATION OPTIONS		CHART 5
No Gate	Control Lock in Detent	
0	1	
ILLUMINATION		CHART 6
With Light		
1		

How to Order a Foot Pedal - Mechanical

Ordering the foot pedal that meets your needs is not difficult. Simply follow the instructions below to create the assembly part number. The first five numbers will be followed by three numbers that are chosen from the charts below.

1. Choose either a 2" or 3" Travel. This number is your BASIC NUMBER.
2. Choose the appropriate options from charts 1, 2, and 3.
3. Place each option number that you have chosen into its corresponding colored box. These create your ASSEMBLY CODE.
4. Combine all eight numbers to create the ASSEMBLY PART NUMBER.
For example, the final assembly part number could possibly be 95002-300. (2" travel, 3 series, no heel rest, no modulator)



CABLE SERIES OPTIONS		CHART 1
3 Series	3	4 Series
		4

HEEL REST OPTIONS		CHART 2
No Heel Rest	0	With Heel Rest
		1

MODULATOR PIVOT		CHART 3
No Modulator	0	With Pivot Modulator
		1

Foot Pedal Service Parts

Cable Hanger Kit

99000-1 = 2" Travel
99000-2 = 3" Travel

Includes:
Hanger Assembly
Flange Nuts (2)

Cable Attach Kit

99001-1 = 3 Series
99001-2 = 4 Series

Includes:
Lock Plate Assembly and Screw
Pin and Hair Pin Cotter
Clevis

Upper Boot Kit

99002-1

Includes:
Upper Boot
Pin and Hair Pin Cotter
Jam Nut

Heel Rest Kit

99003-1

Includes:
Heel Rest
Self Tap Screws (2)

Modulators for Foot Pedal *

Modulators

98000-Length = 2" Travel
98001-Length = 3" Travel

Allison Transmissions Only

Cables *

3 Series

#10-32UNF-2A

352X3-Length = 2" Travel
353X3-Length = 3" Travel

4 Series

1/4-28UNF-2A

452X3-Length = 2" Travel
453X3-Length = 3" Travel

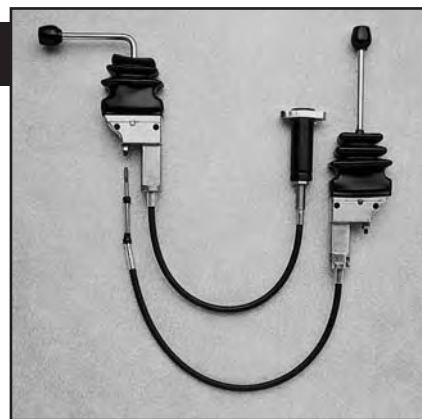
* Felsted cables and modulators must be used to engage keyhole mounting system.

Other configurations available. Consult Factory.
X = Specify 2 for bulkhead, 3 for clamp.

RVO Controls

The Felsted remote valve operator (RVO) control system permits highly efficient remote cable operation of hydraulic spool valves. While the control head is in easy reach of the operator, the noise, heat, and inconvenience of high pressure hydraulic lines are removed from the cab area. In addition to economical installation, the Felsted system also allows greater flexibility when planning valve placement.

A remote valve control system consists of a control head, a cable, and a valve connection kit. Felsted systems are designed for ease of installation, operation, and maintenance in a wide variety of equipment in agriculture, construction, off-highway trucks, and industrial applications.



Control Cables

See Felsted Cable Catalog for more Information

100-45600 - Length

Input end connects to control head, output end connects to universal connection kit.

100-45622 - Length

Input end connects to control head, output end is a series 2" travel bulkhead type connection.

100-45623 - Length

Input end connects to control head, output end is a 4 series 2" travel clamp type connection stainless steel

Rods, sleeves

Temp. rating

-65°F to +225°F.

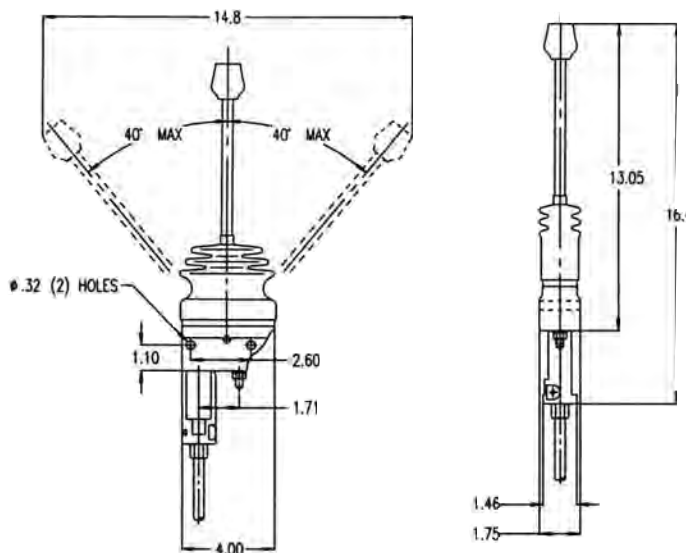
(Hi-temp avail. to +300°F)

Bend Radii

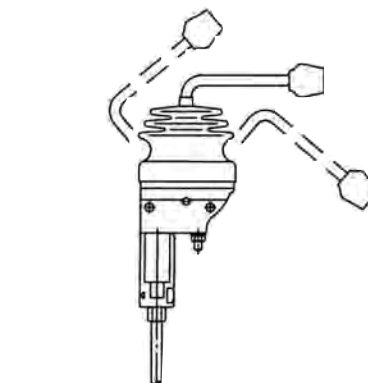
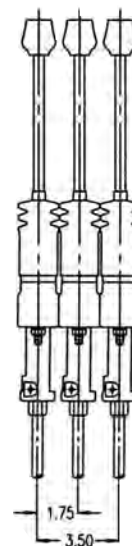
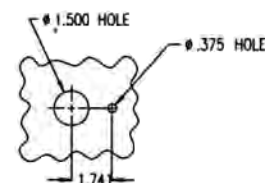
5"

Connection Kits

See page 8 of this catalog.



P/N 55700#



P/N 55709#

Specifications for Remote Valve Operator

Control Head	55700#, 55709# 90° Handle
Handle	Plated Steel
Boot	PVC Dip Molded
Housing	Die Cast Aluminum
Knob	Black Phenolic
Overall Length	16.4 Inches
Spring Action	Spring Centered 40° Forward/Rear
Travel	1.75 Inches Max.
Stackable	Create Multiples, Combinations, Both 55700 and 55709
Cable Servicing	When Stacked, Cables Can Be Serviced Without Complete Disassembly.

Valve Connection Kits - RVO and Heavy-Duty Levers - 4 Series Only

Note: Requires special cable. Not for use with H.D. Levers with 3" travel.

Valve	Valve Model	Felsted Kit Part No.
Commercial Intertech	A 20 Rear Entry	59102
	A 35 Spring Return Rear Entry	59118
	D 50	59120
	A 35 Front Entry	59134
	C 102, C 101 Pump, 1 1/2" Dia. Nose Only	59172
	VA-20 Front Entry	59218
Cross	BA, BC, CA, CD	59104
Energy	CVP, CVS D, CVA-200	59100
Gresen	25P, CP, CS, V20, V42	59100
	V-70	59109
	V50	59383-1
Husco	5000	59119
	6000	59103
Hydro-Control	HC-D2 Rear Entry	59127
Parker	VDP-12	59108
Prince	5100	59354-1
Racine	3/8	59103
	1/2	59108
Rexroth (Borgwarner)	MP-18, 30-S2	59101
	MP-18	59178
For kits not listed, check with factory.		

Cables to be used with connection kits

Heavy-Duty Lever 2" TRVL
Remote Valve Control

100-45630-Length
100-45600-Length

Cables not included, must order separate.

Heavy-Duty Levers

Felsted's Heavy-Duty Levers are built especially for rugged, demanding applications in the construction, farm, and specialty truck business. In addition to the standard version, a push button version is also available which provides convenient push button operation and a choice of five gate configurations to offer a variety of design applications where the lever needs a detent locking mechanism.

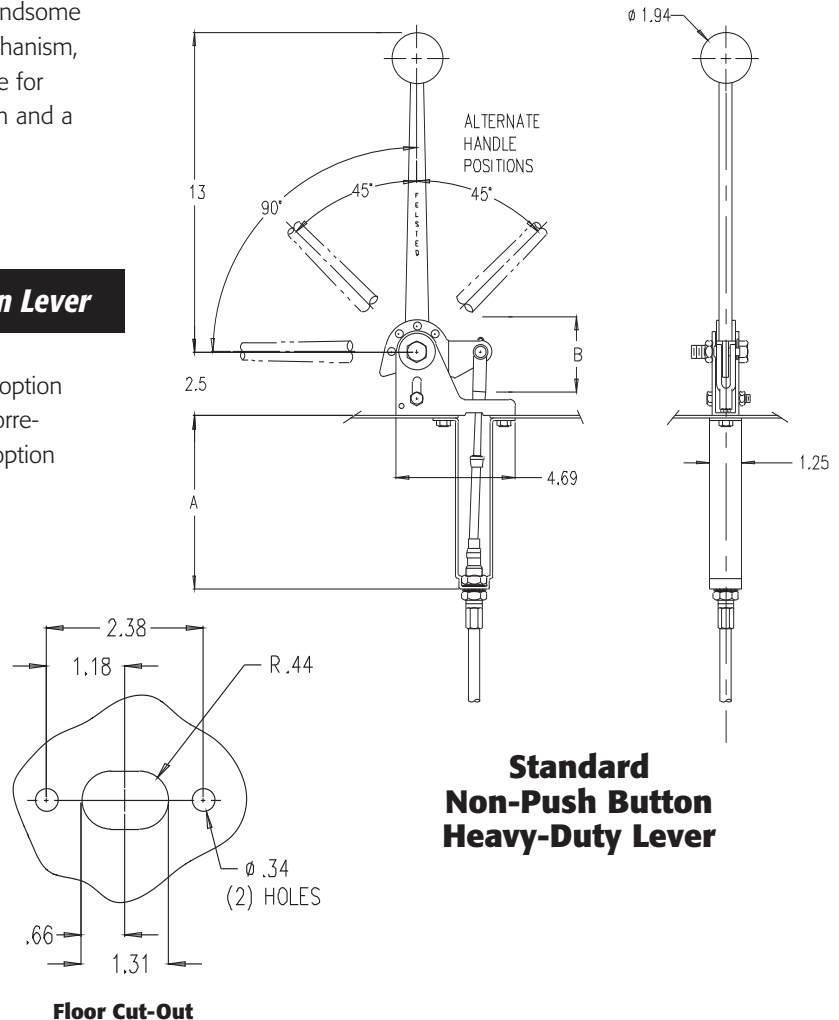
The mechanical advantage of both levers is 5:1 with operating loads from 125 to 400 pounds dependent on cable series and travel. Superior corrosion resistance is provided by a handsome black matte finish Electrocoat Coating for the lever mechanism, which will meet 5% Salt-Spray, 336-500, with zinc plate for fasteners. Other advantages include a lightweight design and a pivot bushing.



How to Order a Standard Non-Push Button Lever

To build an Assembly Part Number, please refer to the option charts below, and place the option numbers into the corresponding color coded boxes. Please Note: Knob color option only exists as black, which is #1.

KNOB COLOR OPTIONS		CHART 1
Black Knob Color	1	
CABLE SERIES OPTIONS		CHART 2
4 Series	4	6 Series 6
TRAVEL DISTANCE		CHART 3
2 Inches	2	3 Inches 3



**Standard
Non-Push Button
Heavy-Duty Lever**

Assembly Part Number

Hollow Steel Handle

58000

Solid Steel Handle

58100

1

OPTION #
chart 1

OPTION #
chart 2

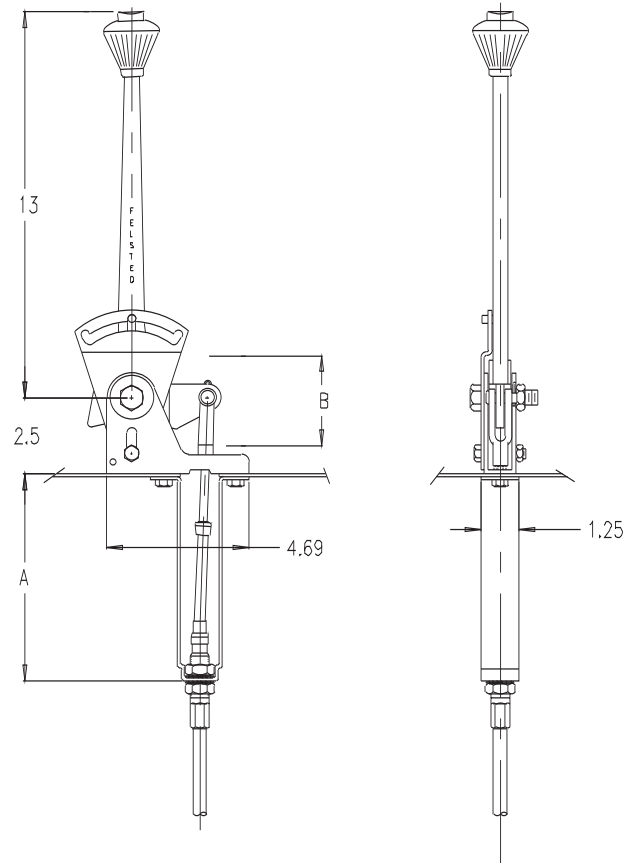
OPTION #
chart 3

Push Button Heavy-Duty Levers

Recommended Cables for Push Button and Standard Levers:

Cable Part Number	Dim. "A"	Travel Dim. "B"	Cable Series	Input Max. Load Lb.
100-4222-length	5 1/2"	2"	4	150
100-4223-length	5 1/2"	2"	4	150
100-4322-length	7"	3"	4	125
100-4323-length	7"	3"	4	125
100-6222-length	5 1/2"	2"	6	250
100-6223-length	5 1/2"	2"	6	250
100-6322-length	7"	3"	6	210
100-6323-length	7"	3"	6	210

Cables not included. All dimensions in inches.
Mounting dimensions same for push button and standard levers.



Push Button Heavy-Duty Lever

How to Order a Push Button Heavy-Duty Lever

GATE CONFIGURATIONS		CHART 1
	POSITION #1	
	POSITION #2	
	POSITION #3	
	POSITION #4	
	POSITION #5	

CABLE SERIES OPTIONS		CHART 2
4 Series	4	6 Series 6

TRAVEL DISTANCE		CHART 3
2 Inches	2	3 Inches 3

Assembly Part Number

Push Button Style

58001

OPTION #
chart 1

OPTION #
chart 2

OPTION #
chart 3

NG Dump Body Control

The NG (New Generation) Dump Body Control is for operation of pumps, hydraulic spool valves, and PTO's.

Designed and manufactured with World Class techniques, this control combines rugged steel components, heat treated in critical areas, with a simple modular construction to produce a "New Generation" of mechanical control products. This new line of products combines the strength and reliability of our current mechanical controls with the latest in manufacturing technologies to produce a high value control system for our customers.

As an added feature for easy installation, we have incorporated a quick-connect cable mounting system into this control. Utilizing a clamp built into the cable mounting bracket, the assembler needs only a standard 1/4 x 1" bolt and locknut to attach the cable to the control. This allows faster assembly of the cable, while using common mounting hardware available anywhere.

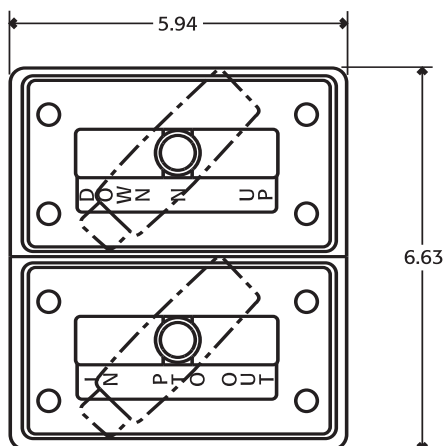
Just like the T-Handle unit, this Dump Body Control features a positive locking detent system which minimizes the possibility of the control being unintentionally bumped or knocked out of detent. The Hoist Control locks in "N" (neutral) position and the PTO locks in "OUT" position. To release from detent, just push in on the side push button and move the lever to desired position. The illuminated position strip and lever indicator provide position range indication day and night.



Specifications for NG Dump Body Control

Cable Size Required	4 Series, 3" Travel Cable with Clamp Type Hub and 1/4-28 Rod Threads (Cable #100-4323-Length for Bulkhead or #100-4333-Length for clamp mounting) (Cable #100-45734-Length for Felsted Universal Connection Kits)
Cable Travel Produced	2 1/2"
Cable Bracket Angle	90 Degrees for Tower Installation
Cable Mounting	Built-in Cable Clamp Requires a 1/4 x 1" Bolt w/Locknut
Control Construction	Steel Chassis and Handle Assembly Polymer Knob and Trim Covers
Corrosion Protection	Black E-coat for Handle Zinc Plate for Other Metal Components
Control Mounting	Right Hand Mount for Tower Mounting Configuration
Illumination	28 VDC
Handle Configuration	Side Push Button Angled at 45 Degrees
Hoist Operation	Lever Locks in "N" Position Pushing Lever to "DOWN" (Forward) Pushes Cable Lever Locks in "OUT" Position
PTO Operation	Pushing Lever to "IN" (Forward) Pulls Cable

NG Dump Body Control



Hoist Control Notes

- Lever locks in the "N" position.
- Pushing lever to "DOWN" position pushes cable.

PTO Control Notes

- Lever locks in the "OUT" position.
- Pushing lever to "1N" position pulls cable.

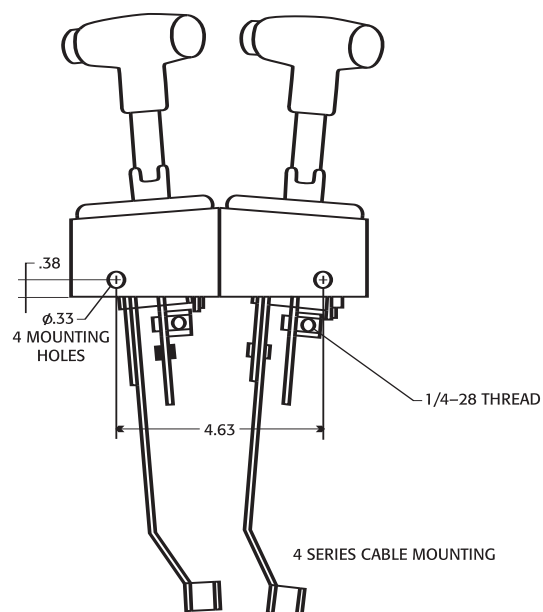
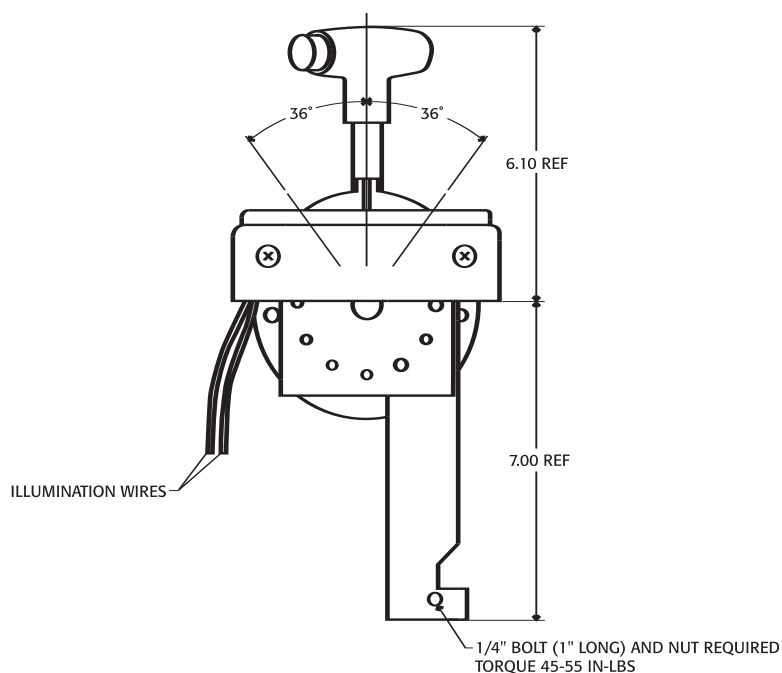
Part Numbers

Dual Controls

NG0003	NG PTO / Hoist Control (PTO on left, hoist on right, as shown)
NG0004	NG Hoist / PTO Control (Hoist on left, PTO on right)

Single Controls

NG0001	NG Hoist Control
NG0001	NG PTO Control
NG0005-1	Knob Service Kit



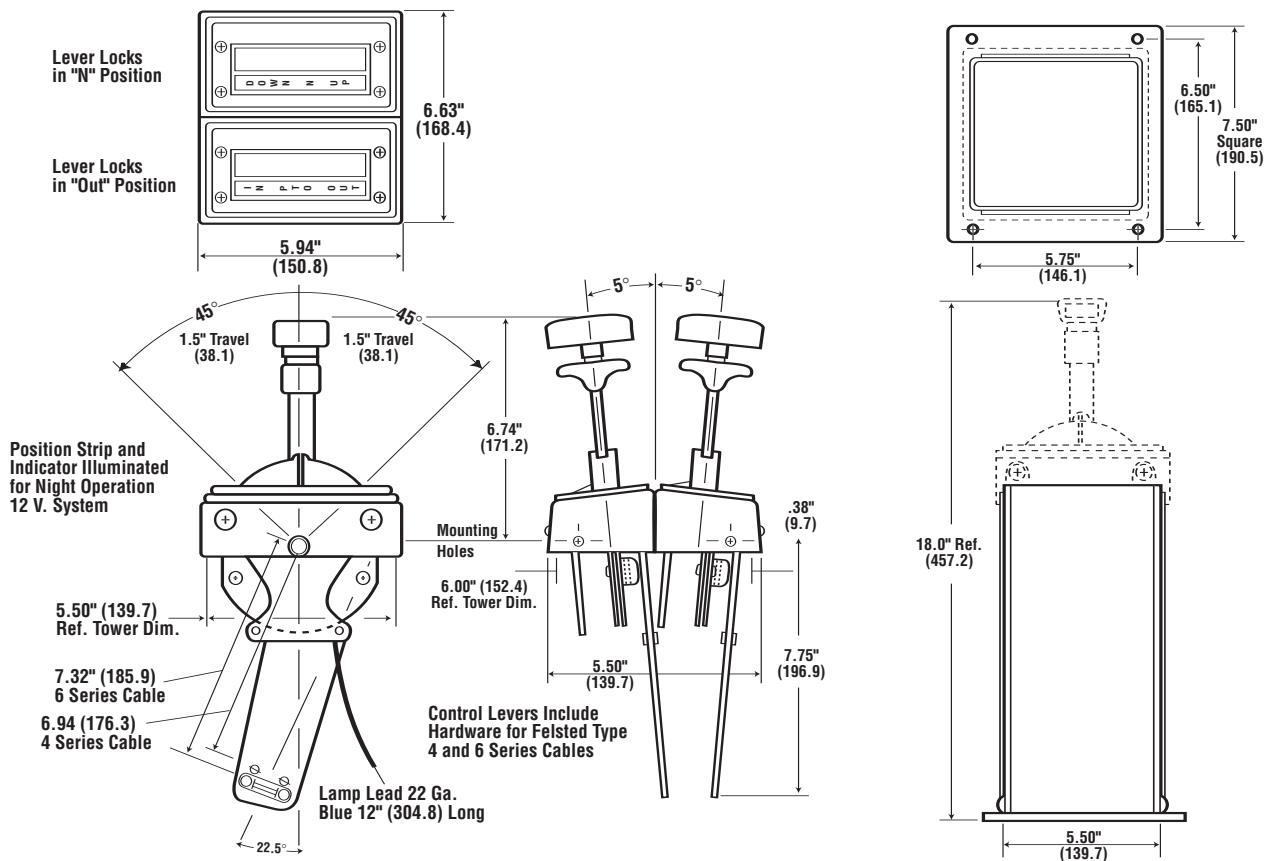
T-Handle Dump Body Control Systems

The Felsted T-Handle Dump Body Control is used to control the PTO and/or pump for dump body hoists. This control is standard as a dual unit (PTO and Hoist) or available as a single unit (PTO or Hoist), or a triple control unit (two Hoists and a PTO). Quad units are also available. Also available with the PTO control as a factory installed option, is a switch for a dash light, or secondary electrical function when PTO is engaged ("IN" position).

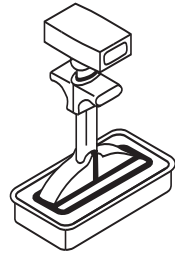
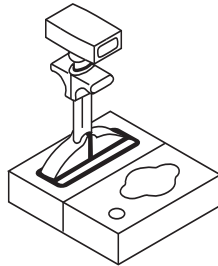
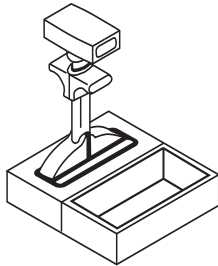
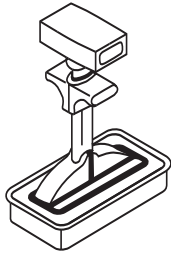
These controls feature a positive detent locking system which practically eliminates any possibility of the control being unintentionally bumped or knocked out of detent. The Hoist Control locks in "N" (neutral) position, and the PTO locks in "out" position. To release from detent, just pull up on "T" lift below the knob and move lever to desired position.

The illuminated position strip and lever indicator provide position range identification at night.

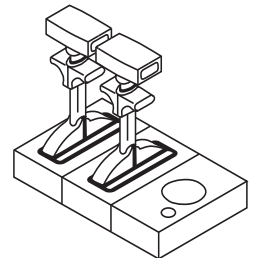
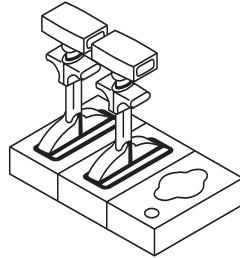
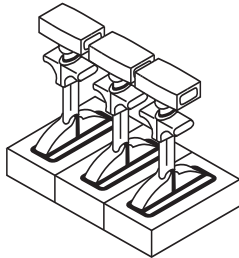
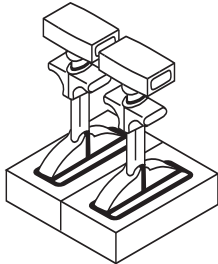
Felsted Dump Body Controls are constructed of high quality materials and workmanship incorporating hardened steel parts and a rugged housing. The stand has a tough coating for durability and long life. The control is sealed to keep engine noise, dirt and fumes from entering the cap. All controls have a maximum 3" standard cable travel and, for ease of installation, come complete with mounting hardware for both 4 & 6 series cables.



T-Handle Dump Body Control Systems



<i>Fits into 59000 Tower</i>	<i>Fits into 59015 Tower</i>	<i>Fits into 59015 Tower</i>	<i>Fits into 59015 Tower</i>
55064 PTO 55064-1 PTO w/Switch 55065 Hoist	55317 Hoist/Open	55317-2 Hoist/Muncie PTO	55317-3 Hoist/Chelsea PTO



<i>Fits into 59015 Tower</i>	<i>Fits into 59016 Tower</i>	<i>Fits into 59016 Tower</i>	<i>Fits into 59016 Tower</i>
55062 Hoist/PTO 55062-1 Hoist/PTO w/Switch 55066 Hoist/Hoist	55067 Hoist/Hoist/PTO 55067-1 Hoist/Hoist/PTO w/Switch	55780-2 Hoist/Hoist/Muncie PTO	55780-3 Hoist/Hoist/Chelsea PTO

Note: All Felsted Hoist Controls lock in "Neutral" Position. All Felsted PTO Controls Lock in "OUT" Position.

Additional Dump Body Accessories

Towers
59000 Single
59015 Double
59016 Triple

Air PTO Kits
(Top Plate and Hardware Only)

Accessories
59002 Single Top Mount Flange
59009 Single Wedge Mounting Kit (17" Angle Wedge)

Cables
100-4323-Length" Bulkhead/Clamp
100-4333-Length" Clamp/Clamp
100-6323-Length" Bulkhead/Clamp
100-6333-Length" Clamp/Clamp

(See Felsted
HP Cable Catalog)