



Suprajit

WESCON CONTROLS DIVISION

REMOTE VALVE CONTROL SYSTEMS



CONTROLS FOR A WORLD IN MOTION

REMOTE VALVE CONTROL SYSTEM



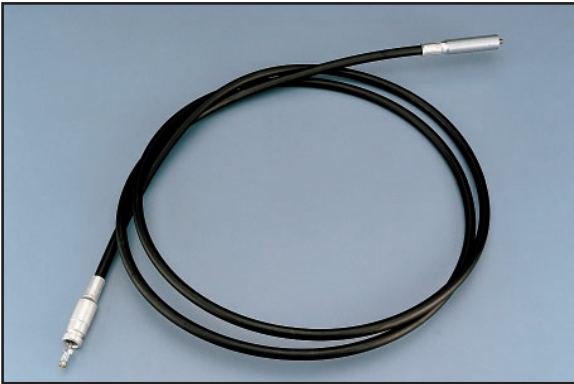
Remote Valve Control

Our Remote Valve Control (RVC) has been engineered to place versatility in the hands of the installer. Our center locking feature, thumb activated by the "Big Red Button", can help your system meet OSHA Standards



RVC Mounting Systems

We have a variety of mounting systems for your RVC needs. We offer everything from single brackets to towers for single/dual mounting applications.



Conduit and Cable

Our 40 Series conduit and cable has been designed to allow for a tighter bend radius as small as 4". This allows the installer to avoid hazards such as the hot exhaust.



RVC with Electric Switches

We have an ergonomically designed lever to use with our non-locking RVC which will accommodate up to three electric switches for your specific application.



RVC with Bent Lever

Bent levers allows the installer to mount the RVC so that the cable can go through the back of the cab or down the armrest/console of your equipment. You may choose one of our standard bends or our engineers have developed tooling to allow you to design your own bend in high volume applications.

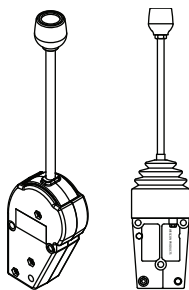


Mini RVC

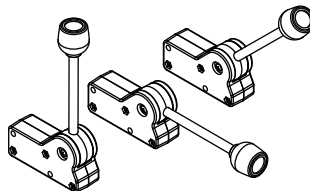
Engineered for compact installation where space is minimal. Available in center locking along with 3 lever angles.

DESIGNING YOUR SYSTEM Simple as 1-2-3-4

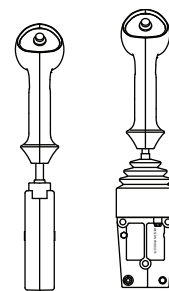
1 - Which Control Do You Need?



Single Axis & Dual Axis RVC
See pages 8-11, 15

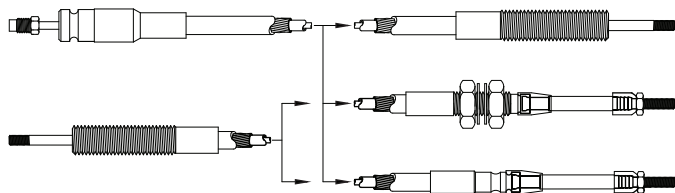


Mini Single & Dual Axis RVC
See pages 12-13

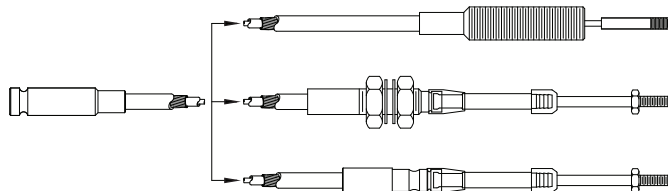


Electric Switch Lever RVC
See page 14

2 - Which Cable Fits Your Application?

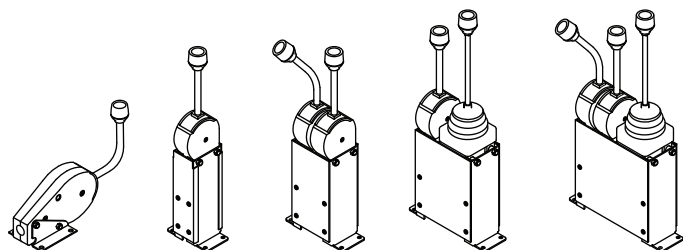


RVC Cable Assemblies
See pages 16-17

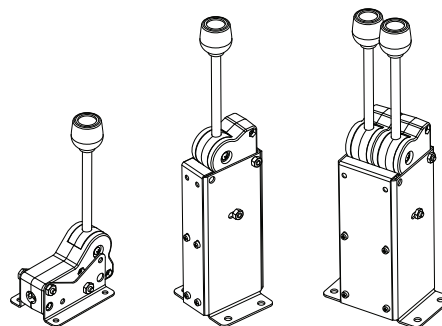


Mini RVC Cable Assemblies
See page 18

3 - Select Your Mounting System

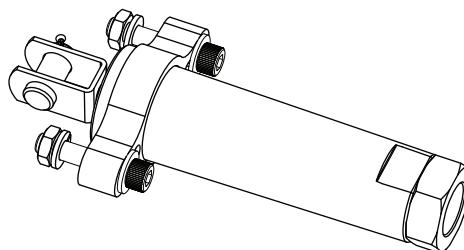


RVC Mounting Systems
See pages 19-20



Mini RVC Mounting Systems
See page 21

4 - Select Your Connection Kit



RVC Connection Kits
See page 22

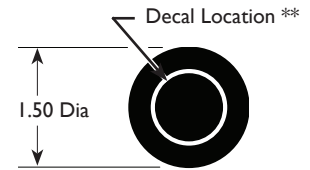
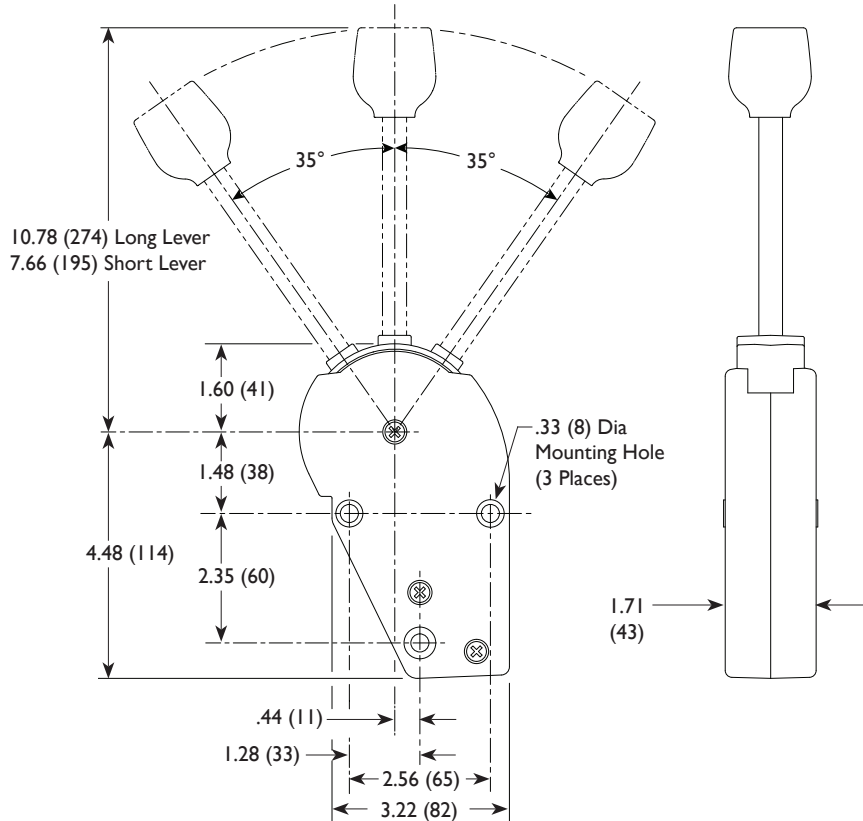
Non-Locking Single Axis Remote Valve Control

Available in Black Composite.

Max Load 100 lbs, Cable Travel (from center) ± 0.76

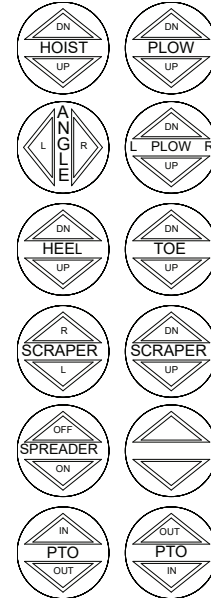
Custom bent levers for higher volume available, contact factory representative.

All Dimensions Are Inches (mm)



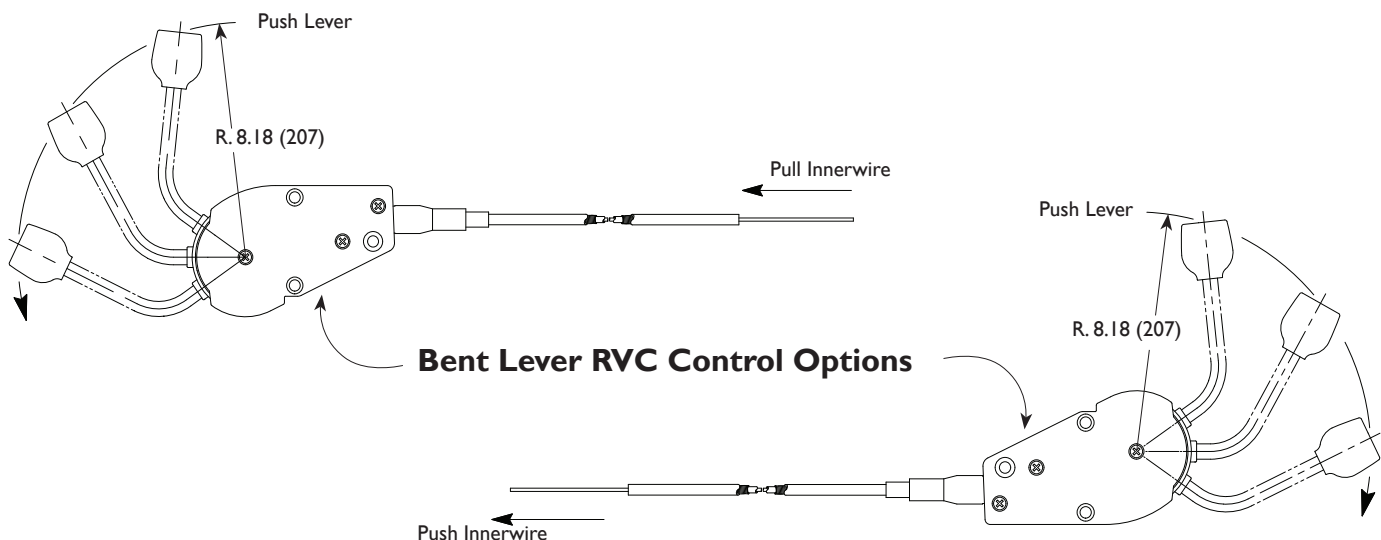
Knob Detail

Black Knob with Fixed Black Insert



****Decal Sheet**
(Shipped with Control)

Description	Wescon P/N
Non-Locking Straight Lever (Short)	08-6010-01
Non-Locking Straight Lever (Long)	08-6010-02
Non-Locking Bent Lever (Push Lever-Pull Innerwire)	08-6010-03
Non-Locking Bent Lever (Push Lever-Push Innerwire)	08-6010-04



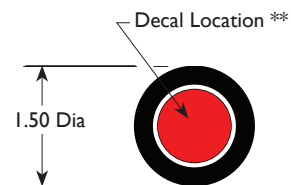
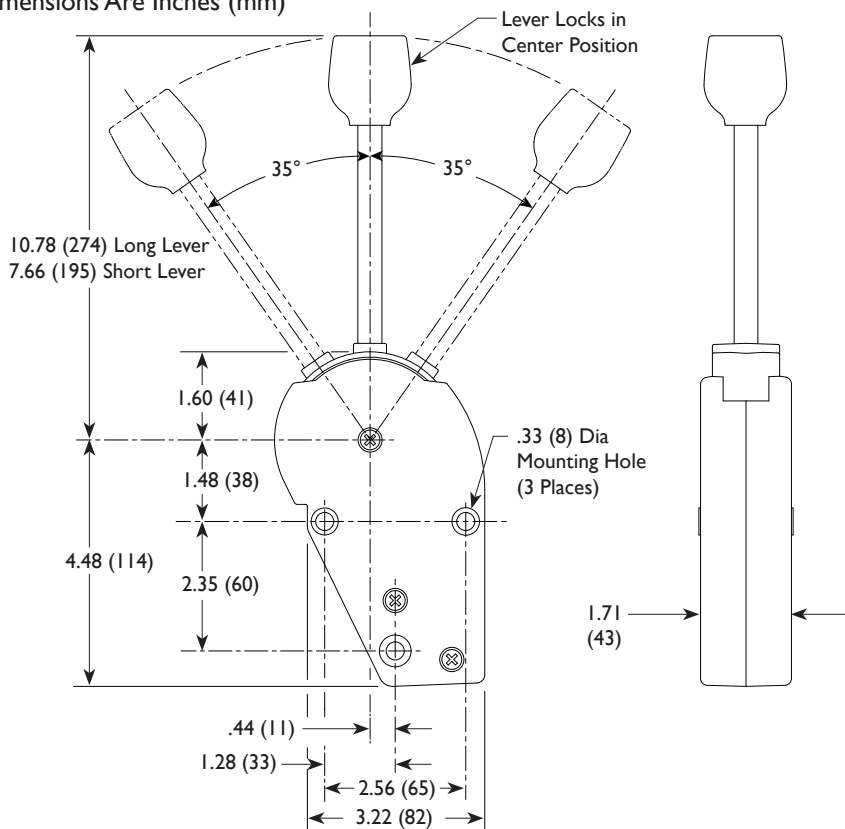
Center Locking Single Axis Remote Valve Control

Available in Black Composite.

Max Load 100 lbs, Cable Travel (from center) ± 0.76

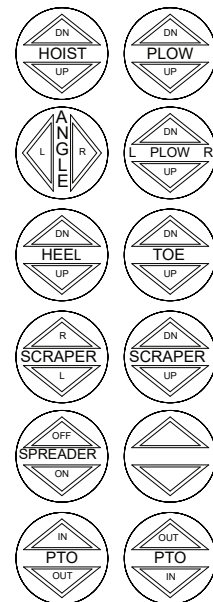
Custom bent levers for higher volume available, contact factory representative.

All Dimensions Are Inches (mm)



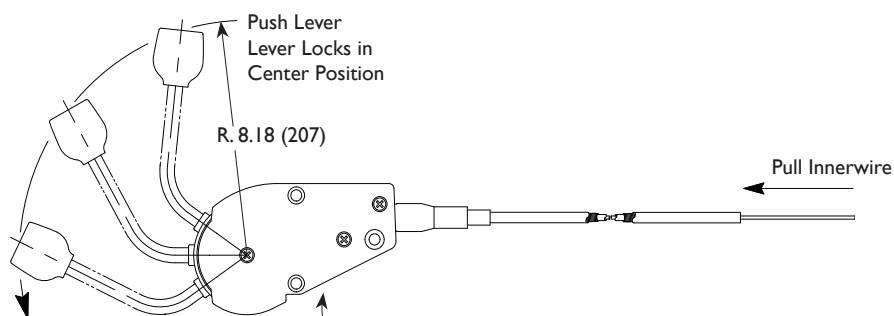
Knob Detail

Black Knob with Red Release Button

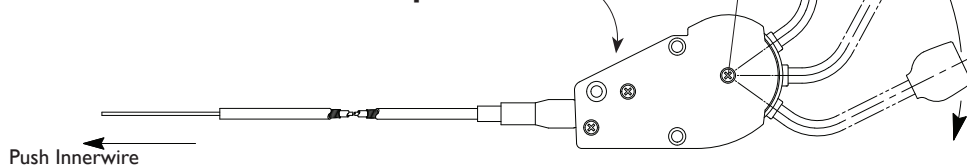


****Decal Sheet**
(Shipped with Control)

Description	Wescon P/N
Center Locking Straight Lever (Short)	08-6011-01
Center Locking Straight Lever (Long)	08-6011-02
Center Locking Bent Lever (Push Lever-Pull Innerwire)	08-6011-03
Center Locking Bent Lever (Push Lever-Push Innerwire)	08-6011-04



Bent Lever RVC Control Options



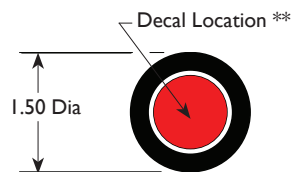
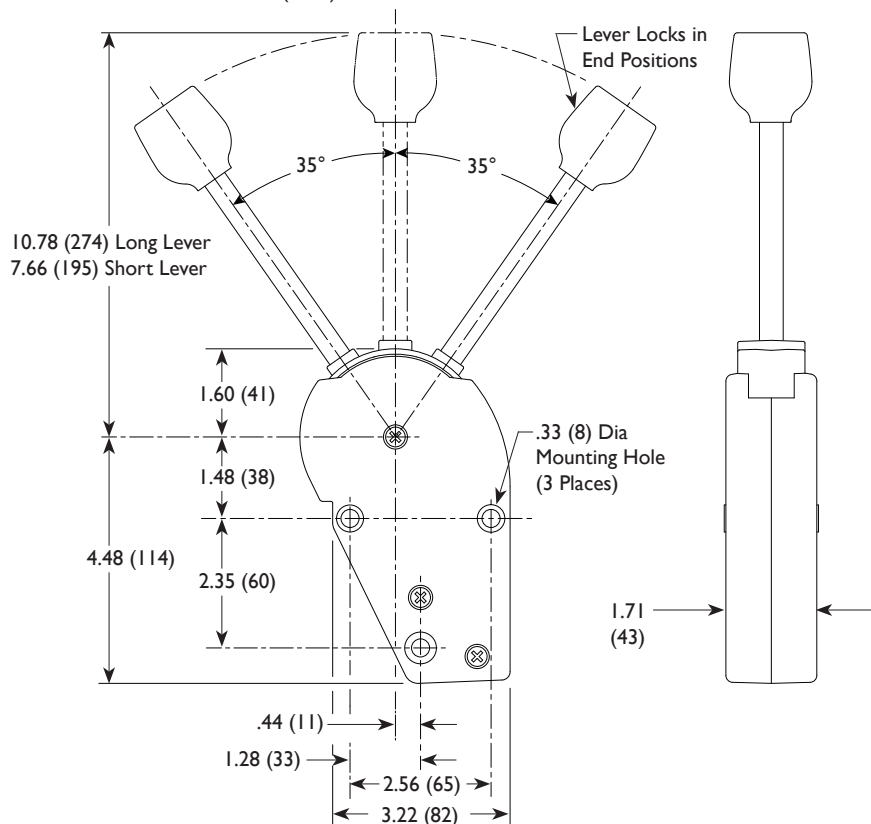
End Locking Single Axis Remote Valve Control

Available in Black Composite.

Max Load 100 lbs, Cable Travel (from center) ± 0.76

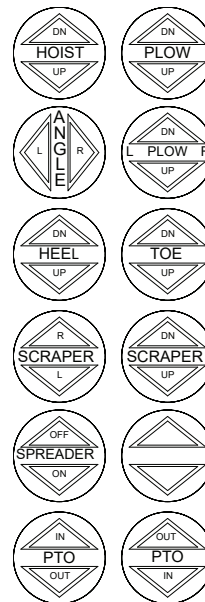
Custom bent levers for higher volume available, contact factory representative.

All Dimensions Are Inches (mm)



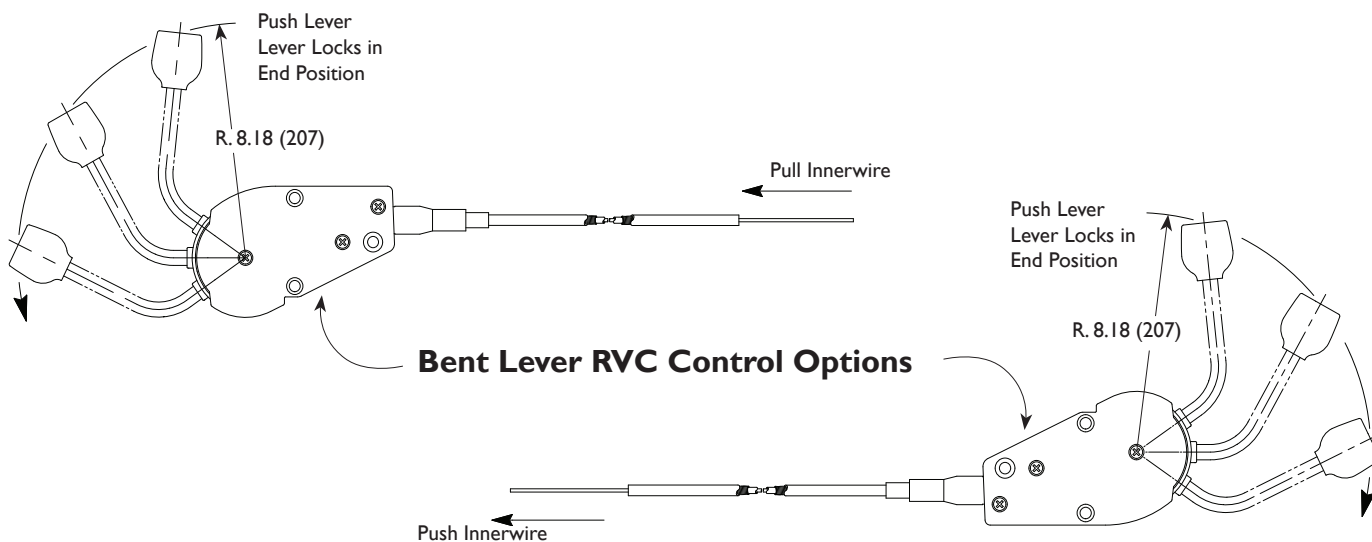
Knob Detail

Black Knob with Red Release Button



****Decal Sheet**
(Shipped with Control)

Description	Wescon P/N
End Locking Straight Lever (Short)	08-6012-01
End Locking Straight Lever (Long)	08-6012-02
End Locking Bent Lever (Push Lever-Pull Innerwire)	08-6012-03
End Locking Bent Lever (Push Lever-Push Innerwire)	08-6012-04



Non-Locking Dual Axis "Composite" Remote Valve Control

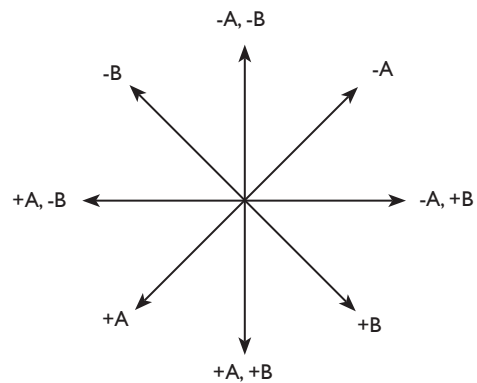
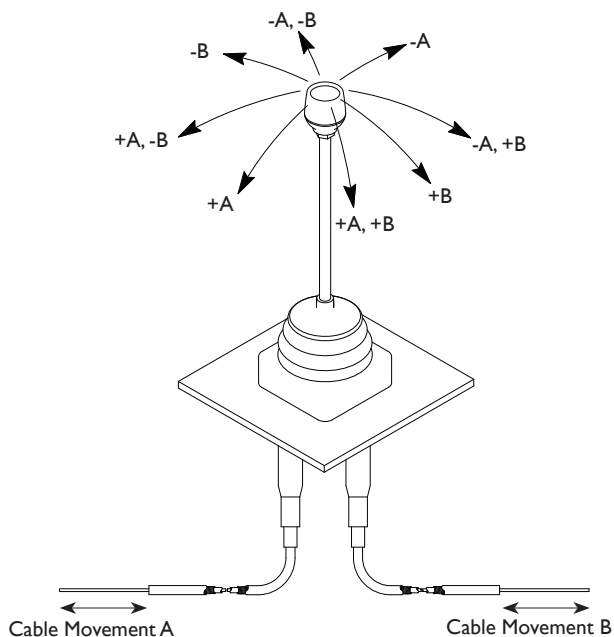
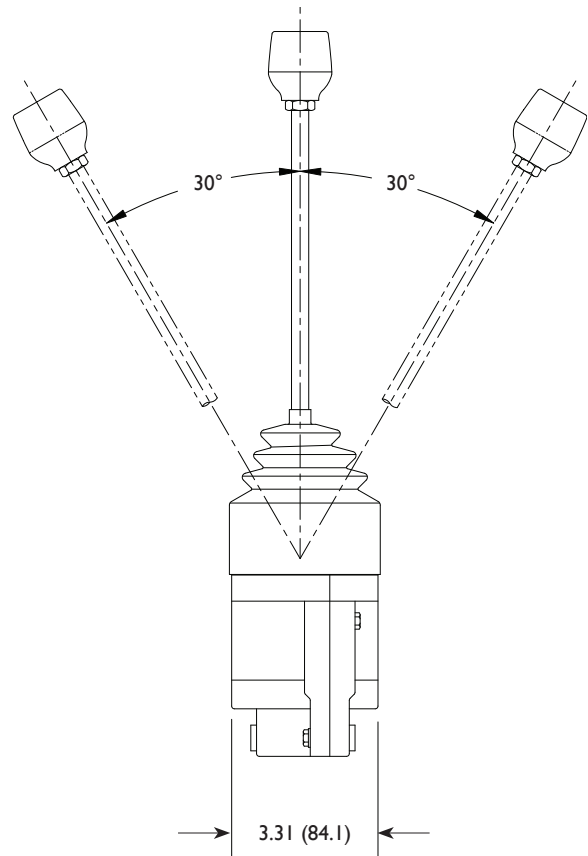
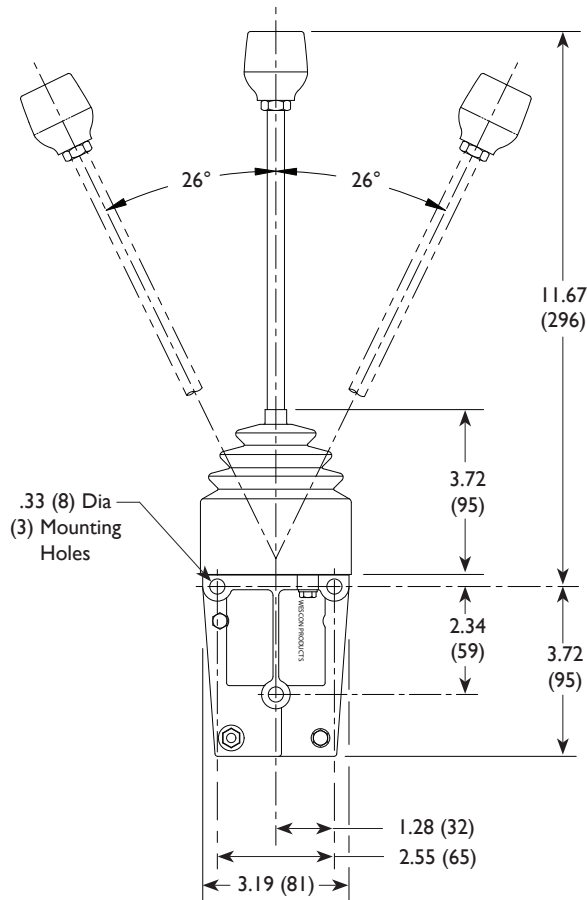
Max Load 100 lbs, Cable Travel (from center) ± 0.62

Wescon Part No. 08-5900-14

All Dimensions Are Inches (mm)

Note:

Install control with three 5/16-18 UNC fasteners and torque to a maximum of 75 inch-lbs.



+ = Extended
- = Retracted

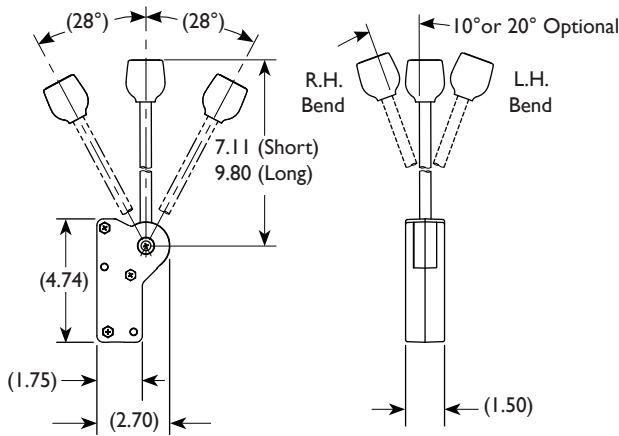
Mini Single Axis Remote Valve Control

Available in Aluminum Black Powder Coat (PC) Finish.

Max Load 100 lbs, Cable Travel (from center) ± 0.56

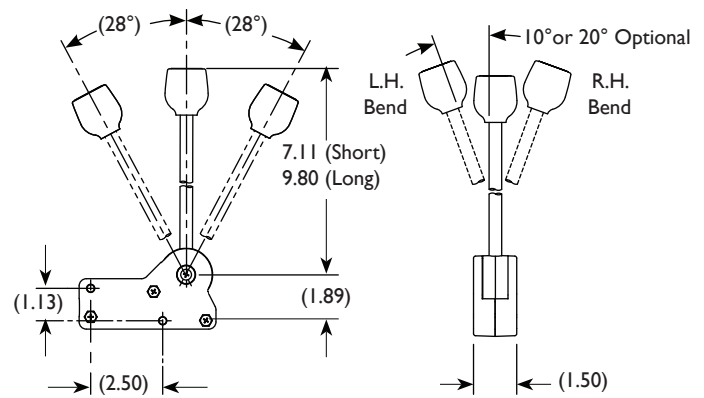
Note:

Install control with two 1/4-20 UNC fasteners and torque to a maximum of 50 inch-lbs.



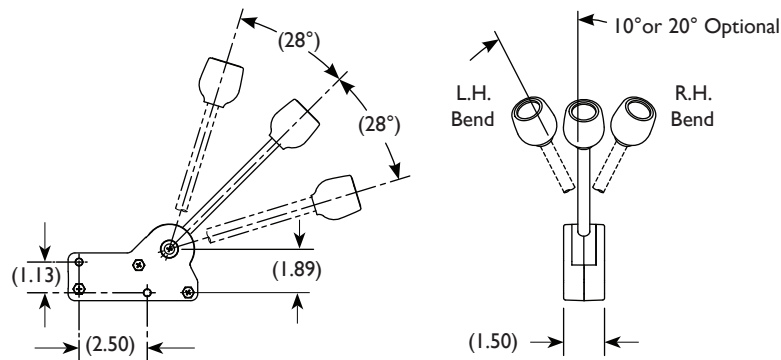
"Standard" Design

Description	Wescon P/N
Standard Center Locking (Short)	08-5962-01
Standard Non-Locking (Short)	08-5965-01
Standard Non-Locking (Long)	08-5965-02
Standard Non-Locking Bent 20° R.H.	08-5965-03
Standard Non-Locking Bent 20° L.H.	08-5965-04
Standard Non-Locking Bent 10° R.H.	08-5965-05
Standard Non-Locking Bent 10° L.H.	08-5965-06



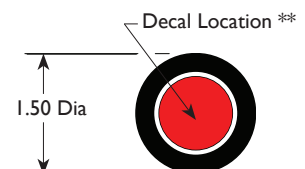
"90° Offset" Design

Description	Wescon P/N
90° Center Locking (Short)	08-5960-01
90° Non-Locking (Short)	08-5963-01
90° Non-Locking (Long)	08-5963-02
90° Non-Locking Bent 20° R.H.	08-5963-03
90° Non-Locking Bent 20° L.H.	08-5963-04
90° Non-Locking Bent 10° R.H.	08-5963-05
90° Non-Locking Bent 10° L.H.	08-5963-06



"45° Offset" Design

Description	Wescon P/N
45° Center Locking (Short)	08-5961-01
45° Non-Locking (Short)	08-5964-01
45° Non-Locking (Long)	08-5964-02
45° Non-Locking Bent 20° R.H.	08-5964-03
45° Non-Locking Bent 20° L.H.	08-5964-04
45° Non-Locking Bent 10° R.H.	08-5964-05
45° Non-Locking Bent 10° L.H.	08-5964-06



Knob Detail

Black Knob with Red Release Button

Mini Dual Axis "Composite" Remote Valve Control

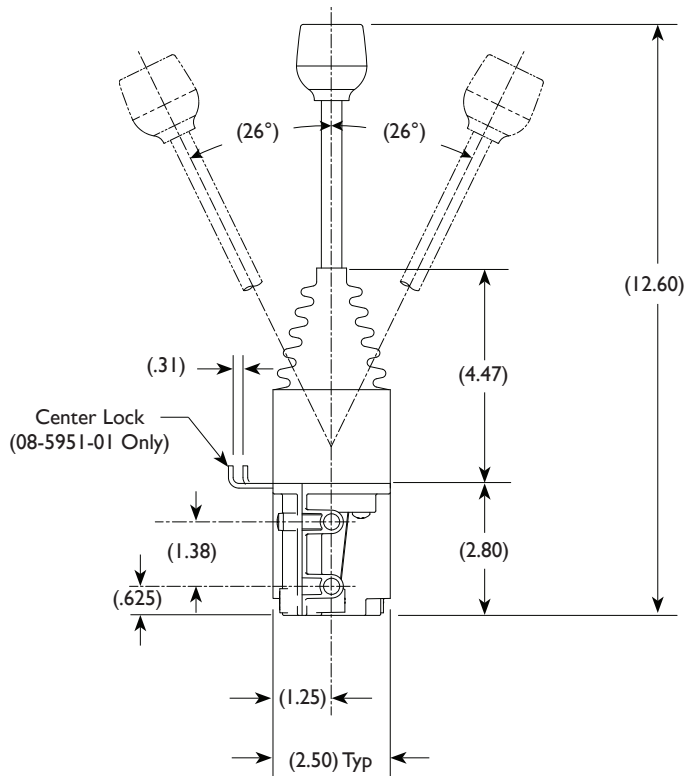
Max Load 100 lbs, Cable Travel (from center) ± 0.56

Part No. 08-5950-01 Non-Locking

Part No. 08-5951-01 Center-Locking

Note:

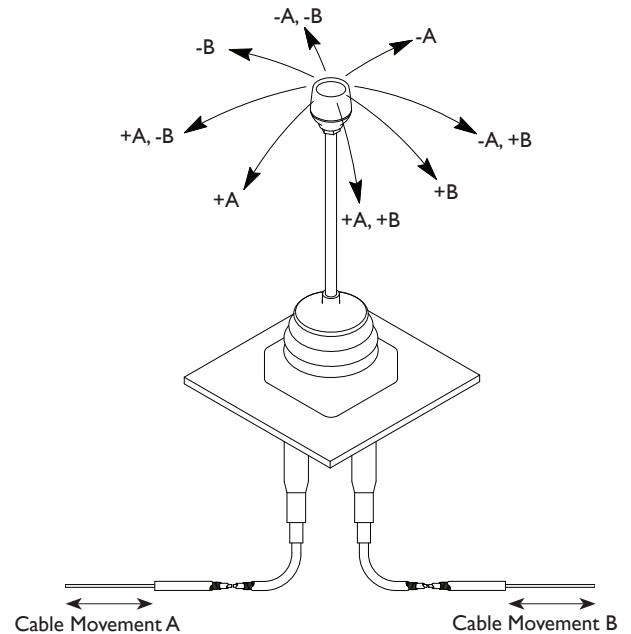
Install control with two 5/16-18 UNC fasteners and torque to a maximum of 50 inch-lbs.



Cable Schematic

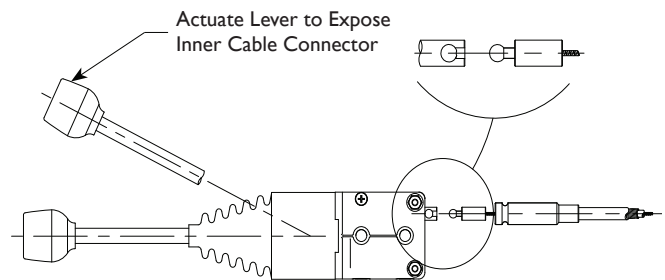
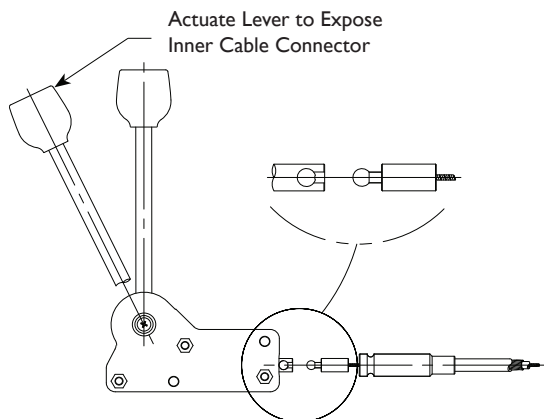
+ = Retracted

- = Extended



Quick Connect Feature

This system facilitates quick assembly
reducing installation time and cost.

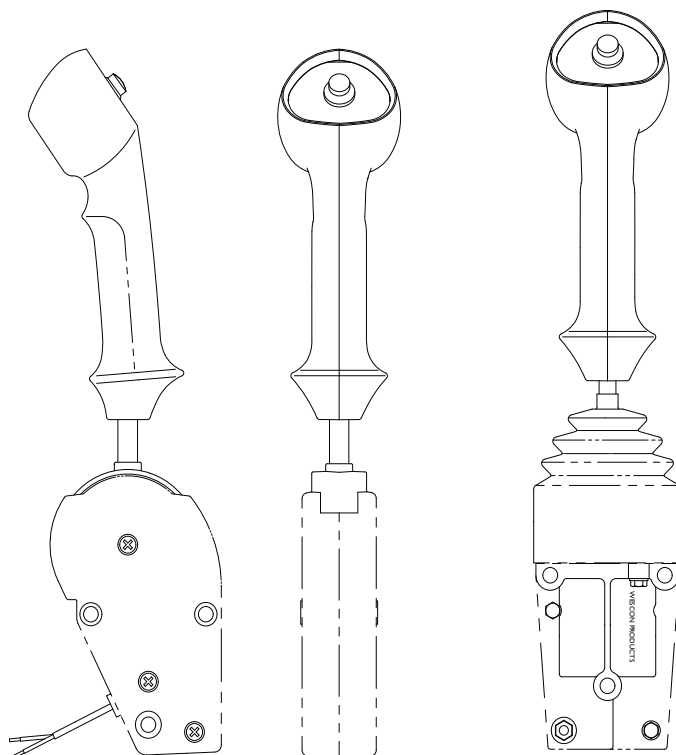


Uses Quick Connect RVC cable.

Uses Quick Connect RVC cable shown on page 18.

Electric Switch Lever Options

- Available on Single Axis RVC's and Dual Axis RVC's
- Durable Nylon Handle (Black)
- Waterproof Push Button and Rocker Switch Mechanisms
- Push Button and Rocker Switch Ratings at 28 Volts D.C. Resistive - 5 Amps Inductive - 3 Amps
- Cycle Life at Rated Load Push Button - 50,000 Rocker - 25,000
- 20 gauge leads with a minimum of 8" exposed



**Shown on Single Axis
Non-Locking RVC**

See Chart

**Shown on
Dual Axis RVC**

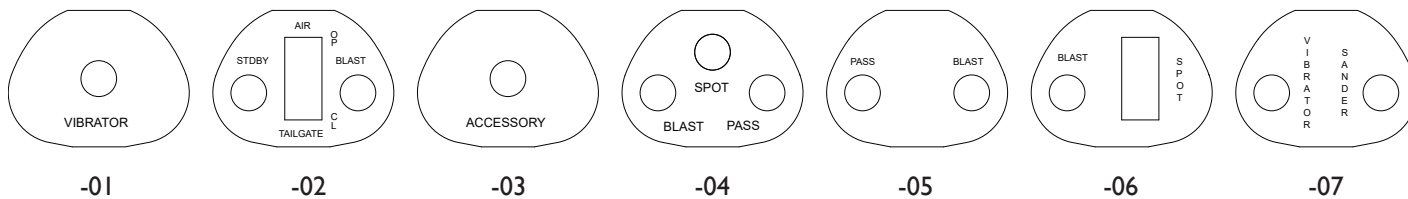
08-5920-*

Description	Wescon P/N
Electric Switch RVC Single Axis Non-Locking	08-6014-*
Electric Switch RVC Single Axis Center Locking	08-6015-*
Electric Switch RVC Single Axis End Locking	08-6016-*
Electric Switch RVC Single Axis Center & End Locking	08-6017-*

* (See Stamped Switch Plate options below for available dash numbers.)

Stamped Switch Plate Options (Additional Options Available Upon Request)

(80-4008 Series)



Push Button Switch



Rocker Switch

Consult factory for Mini Dual Axis switch handles.

Switch Replacement Kits		
Switch P/N	Description	Kit P/n
80-4004-04	Rocker Switch SPDT	K80-4004-04
80-4004-05	Push Button	K80-4004-05
80-4004-06	Rocker Switch SPST	K80-4004-06

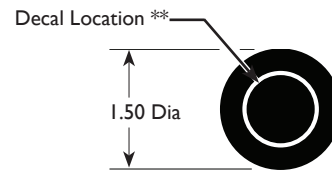
Friction Single Axis Remote Valve Control

Available in Black Composite.

Max Load 100 lbs., Cable Travel (from center) ± 0.76

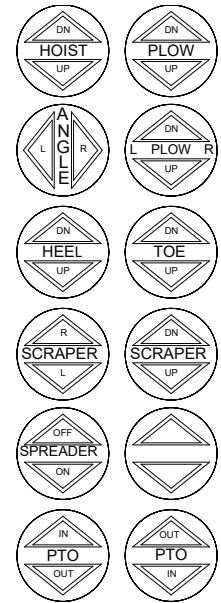
All Dimensions Are Inches (mm)

- This control could be used in applications requiring infinite adjustments of engine RPM such as a throttle control, hydrostatic transmission control or a speed control of a hydraulic motor.
- The handle resistance can be custom adjusted to the specific application, allowing the control to be placed in any position along its 1.50" travel.
- Lever stays where the operator wants it regardless of vibration.



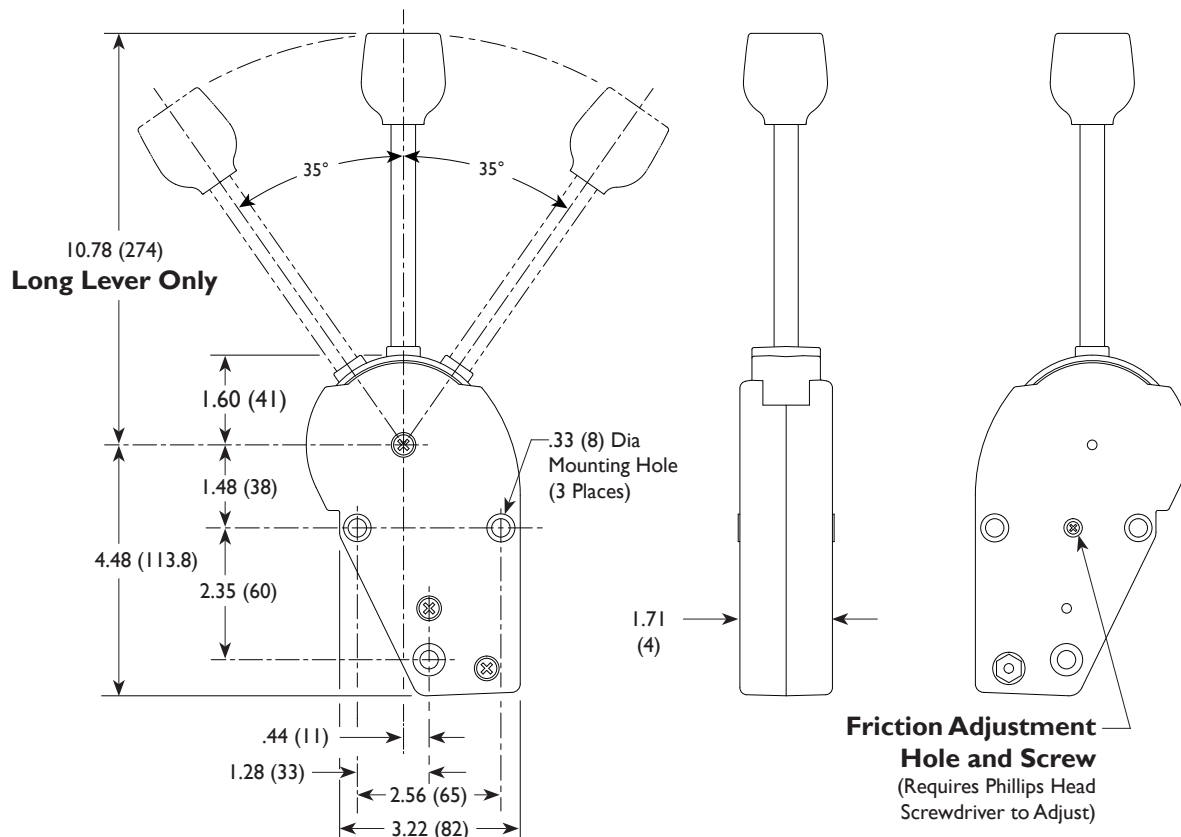
Knob Detail

Black Knob with Fixed Black Insert



****Decal Sheet**
(Shipped with Control)

Description	Wescon P/N
Friction RVC Control, Non-Locking Straight Lever (Long)	08-6013-01
Friction RVC Control, Center Locking Straight Lever (Long)	08-6013-02
Friction RVC Control, End Locking Straight Lever (Long)	08-6013-03

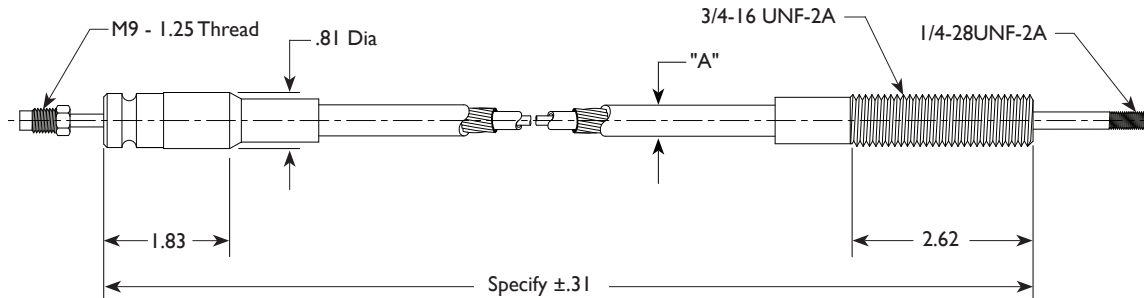


2 - Which Cable Fits Your Application?

We recommend 40 Series Cable Assemblies for Use with Remote Valve Controls

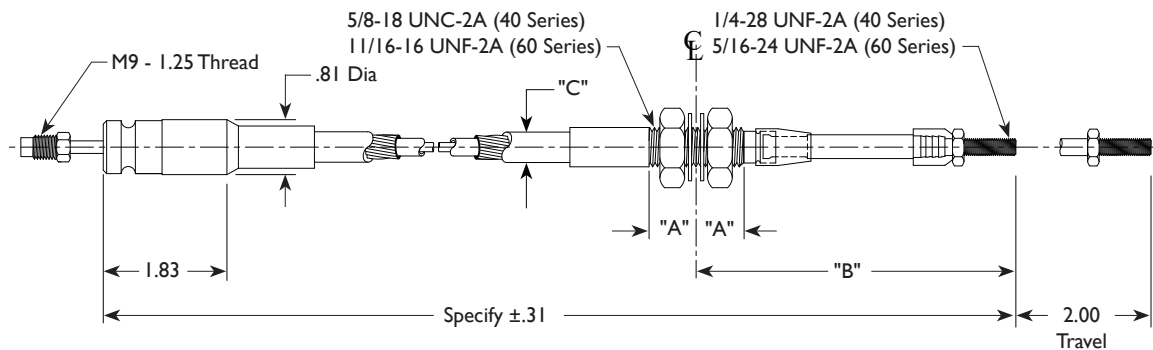
If larger cables are required, please contact your Wescon Sales Representative

Style 1 - RVC Head Adapter with Connection Kit Attachment Fitting (use with standard RVC only)



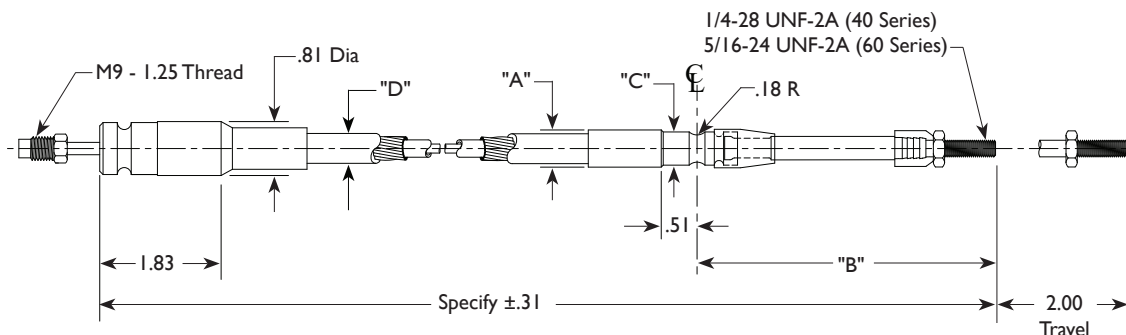
Part Number	"A"
40 Series	.44
60 Series	.56

Style 2 - RVC Head Adapter with Bulkhead Swivel Fitting 2" Travel (use with standard RVC only)



Part Number	"A"	"B"	"C"
40 Series	.75	5.13	.44
60 Series	.87	5.56	.56

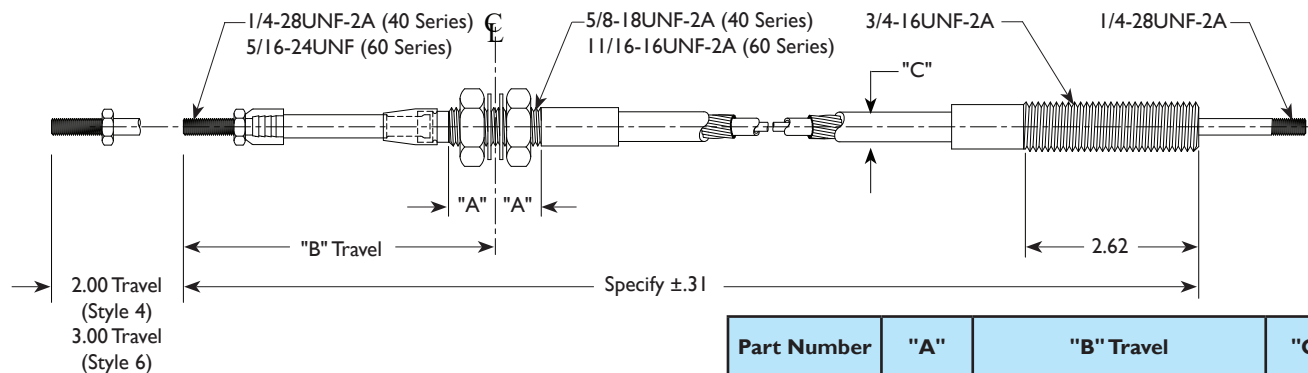
Style 3 - RVC Head Adapter with Grooved Swivel Fitting 2" Travel (use with standard RVC only)



Part Number	"A"	"B"	"C"	"D"
40 Series	.56	4.50	.50 Dia	.44
60 Series	.75	4.88	.57 Dia	.56

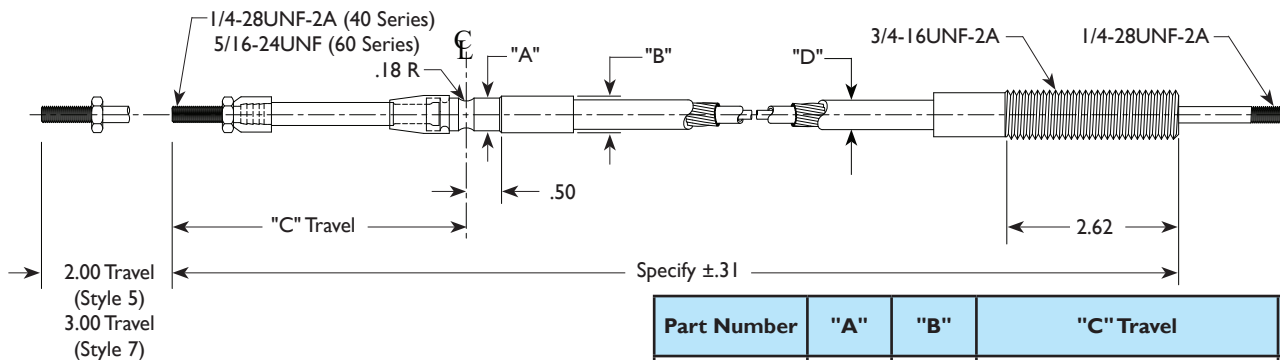
2 - Which Cable Fits Your Application?

Styles 4 & 6 - Bulkhead Swivel Fitting with Connection Kit Attachment Fitting



Part Number	"A"	"B" Travel	"C"
40 Series	.75	5.13 (2" Travel)/6.13 (3" Travel)	.44
60 Series	.87	5.56 (2" Travel)/6.56 (3" Travel)	.56

Styles 5 & 7 - Grooved Swivel Fitting with Connection Kit Attachment Fitting



Part Number	"A"	"B"	"C" Travel	"D"
40 Series	.50 Dia	.56 Dia	4.50 (2" Travel)/5.50 (3" Travel)	.44
60 Series	.58 Dia	.75 Dia	4.88 (2" Travel)/5.88 (3" Travel)	.56

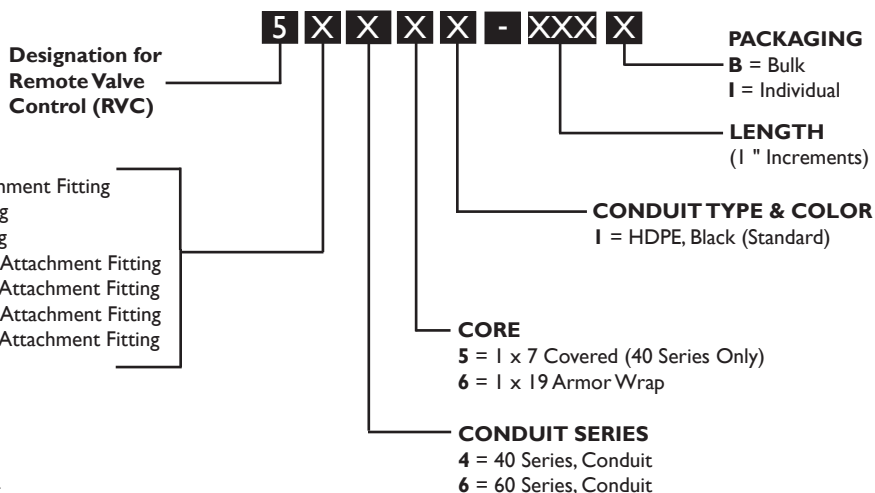
Remote Valve Control Cable Part Number Codes

STYLE

- 1 = RVC Head Adapter with Connection Kit Attachment Fitting
- 2 = RVC Head Adapter with Bulkhead Swivel Fitting
- 3 = RVC Head Adapter with Grooved Swivel Fitting
- 4 = 2" Travel Bulkhead Swivel with Connection Kit Attachment Fitting
- 5 = 2" Travel Grooved Swivel with Connection Kit Attachment Fitting
- 6 = 3" Travel Bulkhead Swivel with Connection Kit Attachment Fitting
- 7 = 3" Travel Grooved Swivel with Connection Kit Attachment Fitting

EXAMPLE:

P.N. 53461-088B RVC Head Adapter One End with Grooved Swivel Fitting Opposite End, 40 Series Conduit, 1 x 19 Armor Wrap Core, Black HDPE Conduit Covering, 88 Inches Long, Bulk Pack



If your load requirement is in excess of 100 lbs, please contact your sales representative.

Technical drawing of a shaft assembly. The shaft has several sections with different diameters and thread types. The dimensions and callouts are as follows:

- Overall length: Specify $\pm .31$
- Section 1 (Left): .62 Dia
- Section 2: .35 Dia
- Section 3: .50 Dia
- Section 4: 3/4-16 UNF-2A
- Section 5: 1/4-28 UNF-2A
- Section 6: 2.62
- Section 7: 2.00 Fully Ext
- Section 8: .50

Technical drawing of a threaded rod assembly. The drawing shows a rod with a threaded section on the right and a smooth section on the left. Key dimensions and features include:

- Thread specification: 1/4-28 UNF-2A
- Threaded section length: 7.13 (Fully Ext)
- Threaded section diameter: .35 Dia
- Smooth section diameter: .62 Dia
- Smooth section length: .75
- Overall length: .75
- Dimensional tolerance: Specify $\pm .31$

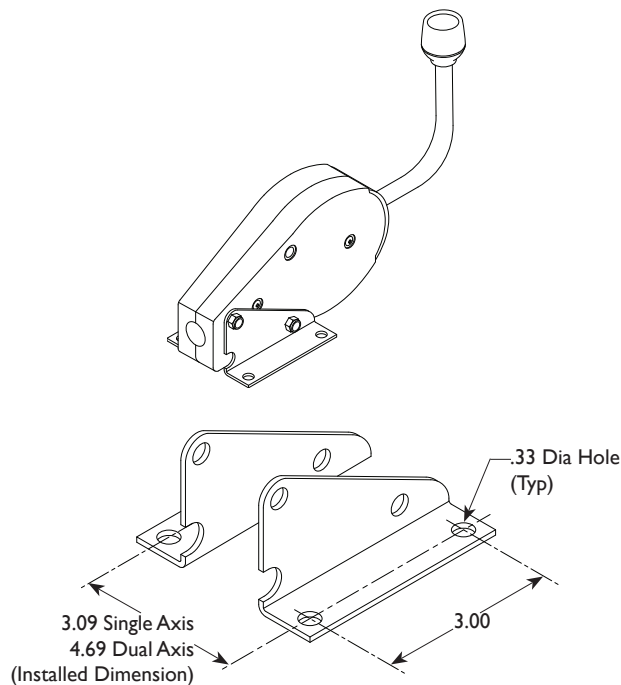
Technical drawing of a threaded rod assembly. The drawing shows a rod with a threaded section on the right and a smooth section on the left. The threaded section is labeled 1/4-28UNF-2A. The rod has a diameter of .50 Dia. in the smooth section and .56 Dia. in the threaded section. The threaded section has a length of 6.50 inches. The rod is shown in a fully extended state. The drawing includes a dimension line for the threaded section labeled 6.50 Fully Ext. and a dimension line for the smooth section labeled .50. The rod is shown in a cross-sectional view with a .18 R fillet. The drawing includes a note: Specify ±.31.

The diagram shows the breakdown of the cable marking **5M-X-3-6-1-XXX-X** into its components:

- 5M**: Designation for Mini Remote Valve Control (RVC)
- X**: Packaging (B = Bulk, I = Individual)
- 3**: Length (1.00" Increments)
- 6**: Conduit Type & Color (HDPE, Black)
- 1**: Core (.125 Dia 1 x 19 Armor Wrap)
- XXX**: Conduit Series (Contiguous Long Lay)
- X**: Style (1 = RVC Head Adapter with Connection Kit Attachment Fitting, 2 = RVC Head Adapter with Bulkhead Swivel Fitting, 3 = RVC Head Adapter with Grooved Swivel Fitting)

07-0006-01 - RVC Mounting Bracket

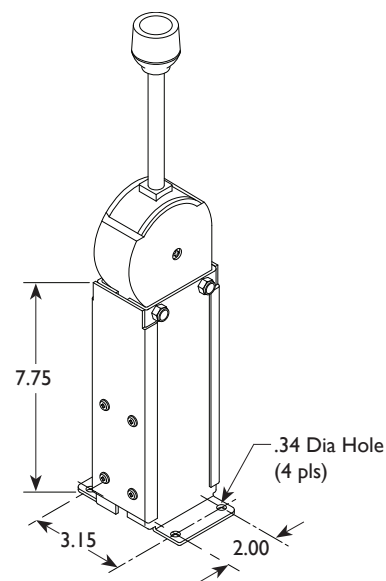
- Made to Accommodate:
 - (1) Single Axis RVC or
 - (1) Dual Axis RVC
- Fasteners not Included



07-0004-01

Single RVC Tower Assy Kit

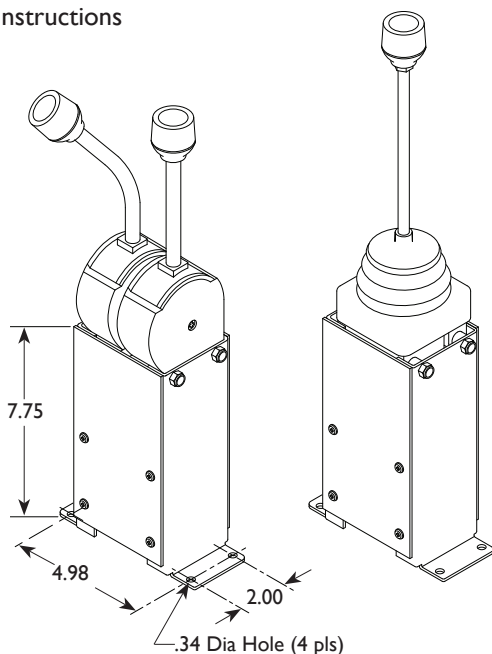
- Made to Accommodate:
 - (1) Single Axis RVC
- Kit Includes Assembly Hardware and Instructions



07-0004-02

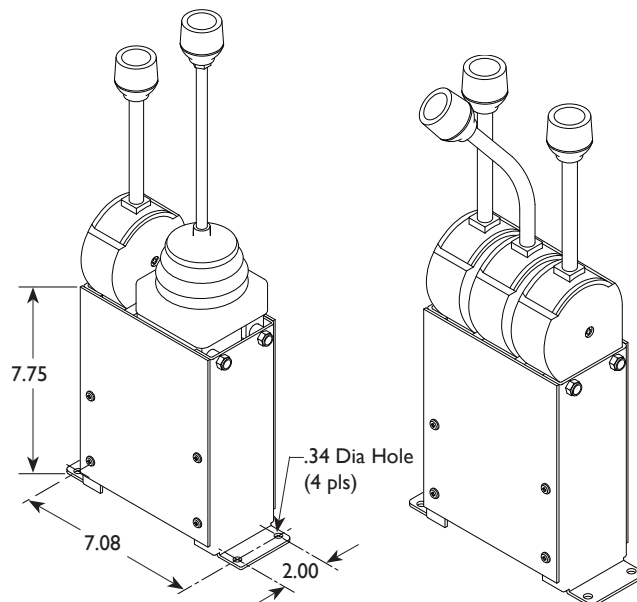
Dual RVC Tower Assy Kit

- Made to Accommodate:
 - (2) Single Axis RVC or
 - (1) Dual Axis RVC
- Kit Includes Assembly Hardware and Instructions



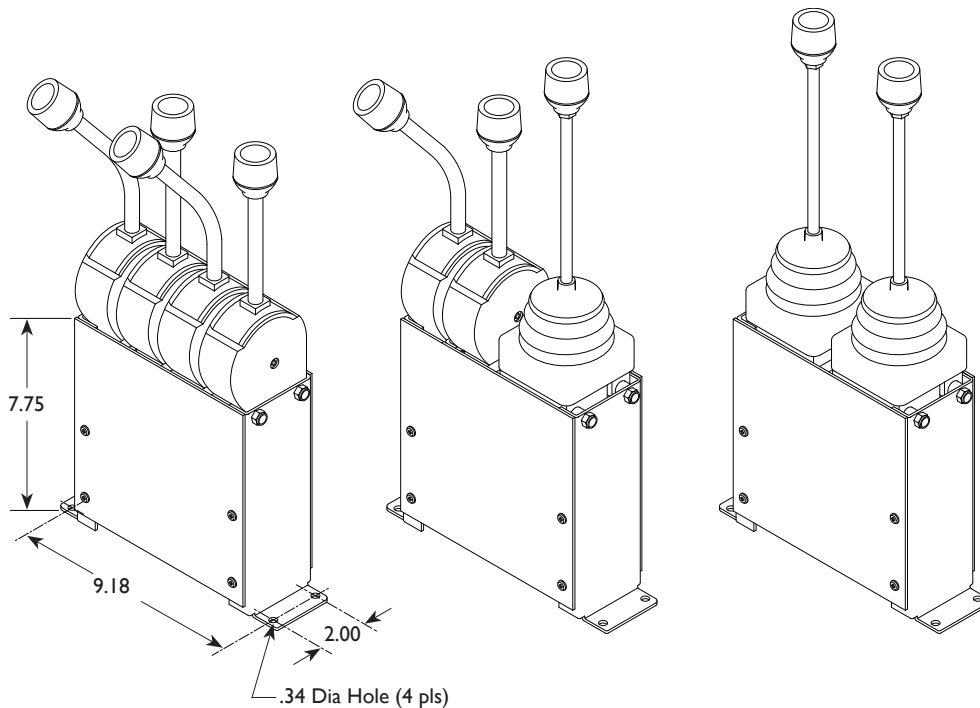
07-0004-03 - Triple RVC Tower Assy Kit

- Made to Accommodate:
 - (3) Single Axis RVC or
 - (1) Dual Axis RVC and (1) Single Axis RVC
- Kit Includes Assembly Hardware and Instructions



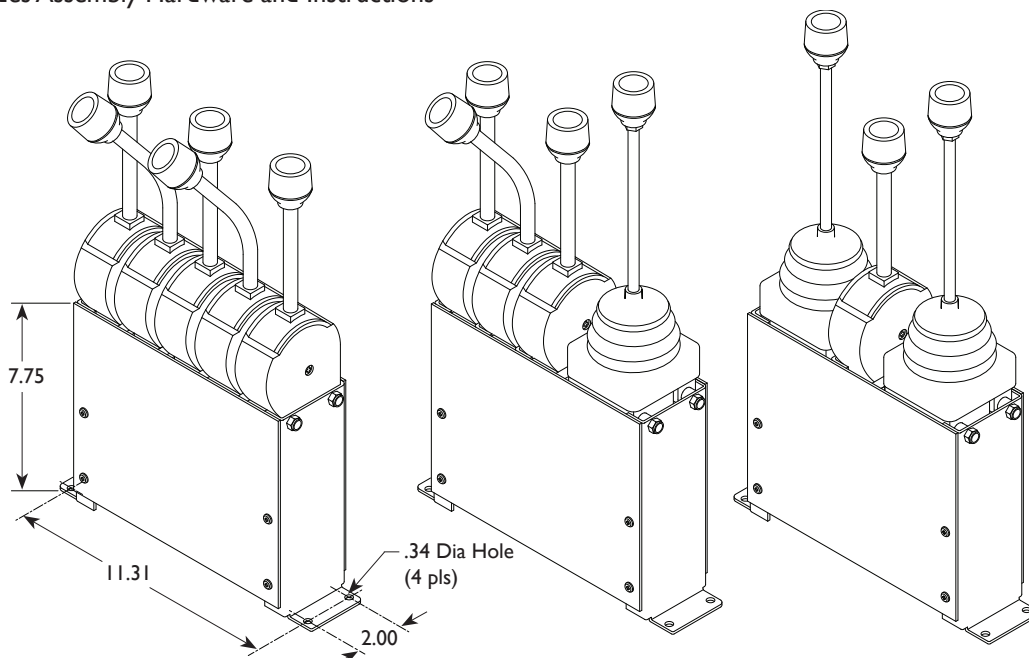
07-0004-04 - Quad RVC Tower Assy Kit

- Made to Accommodate:
 - (4) Single Axis RVC or
 - (1) Dual Axis RVC and (2) Single Axis RVC or
 - (2) Dual Axis RVC
- Kit Includes Assembly Hardware and Instructions



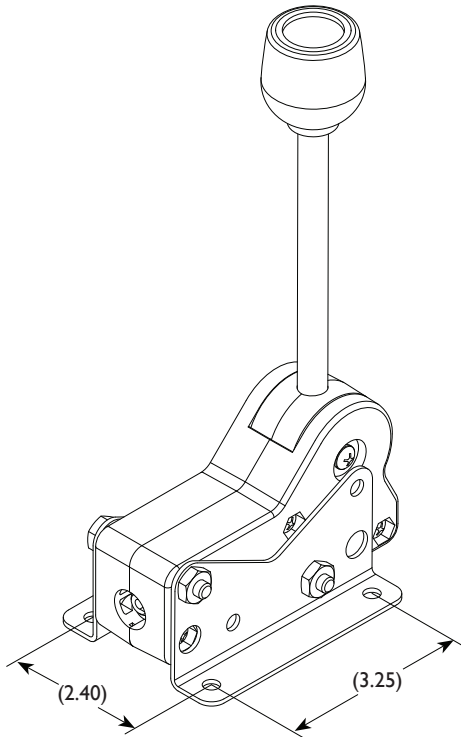
07-0004-05 - Quint RVC Tower Assy Kit

- Made to Accommodate:
 - (5) Single Axis RVC or
 - (1) Dual Axis RVC and (3) Single Axis RVC or
 - (2) Dual Axis RVC and (1) Single Axis RVC
- Kit Includes Assembly Hardware and Instructions



07-0147-03 - Mini RVC Mounting Bracket

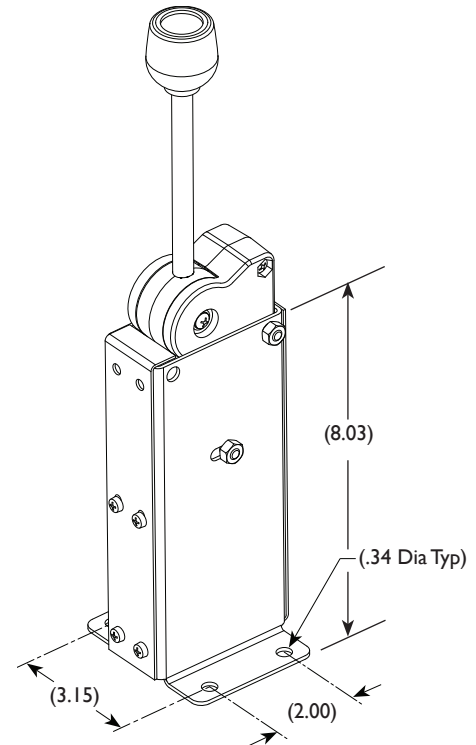
- Made to Accommodate:
(1) Single Axis Mini RVC
- Fasteners not Included
- Use with Mini RVC only



07-0004-06

Single Mini RVC Tower Assy Kit

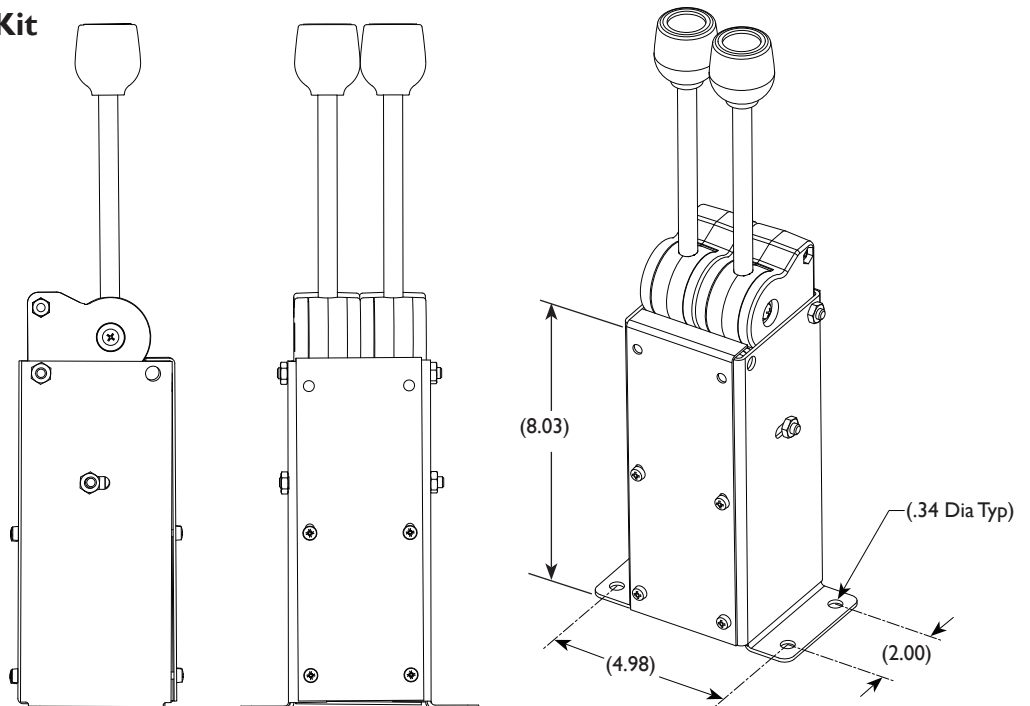
- Made to Accommodate:
(1) Single Axis Mini RVC
- Kit Includes Assembly Hardware and Instructions
- Use with Mini RVC only



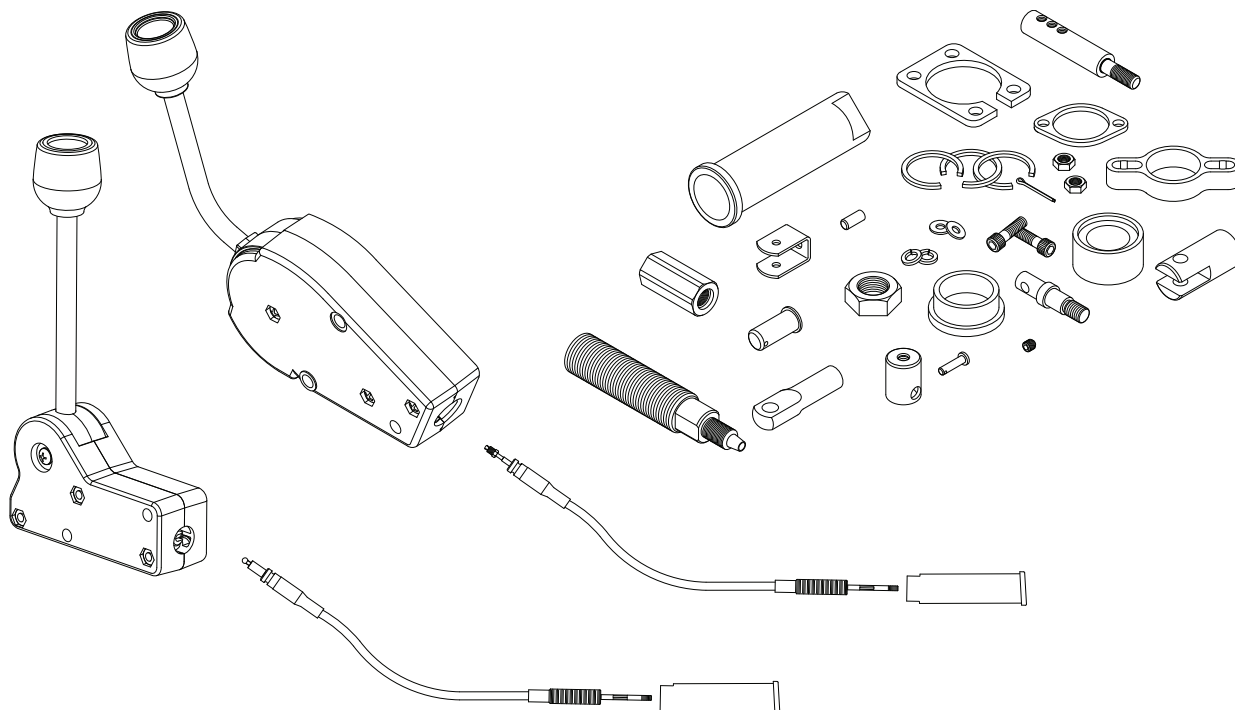
07-0004-07

Dual Mini RVC Tower Assy Kit

- Made to Accommodate:
(2) Single Axis Mini RVC
- Kit Includes Assembly Hardware and Instructions
- Use with Mini RVC only



4 - Select Your Connection Kit



VALVE MANUFACTURER	VALVE MANUFACTURER PART NUMBER	WESCON PART NUMBER
Bosch/Rex Roth	30-S2, MP-18 (F.E.) M4-12-1X (F.E.)	01-5000-13 01-5001-75
Brand	34BFT4S (F.E.) 34BHFT4S (R.E.) 34A058730 (R.E.) TS112, 212, 312 (F.E.)	01-5000-33 01-5000-99 01-5001-15 01-5001-44
Bucher	HDS15 (F.E.)	01-5001-101
Parker/ Commercial	A-20, PC25, DAV-20 (F.E.) A-20, PC25 (R.E.) VA-35 (R.E.) VA-35 (F.E.) CI01 & CI02 Pump (F.E.) GI01 & GI02 Pump (F.E.) GI03 & GI04 Pump (F.E.)	01-5000-10 01-5000-11 01-5000-29 01-5000-36 01-5000-71 01-5001-14 01-5000-41
Cross	BA, BC, CA, DC, SS (F.E.)	01-5000-28
Energy	CVSD, CVP, CVA-200 (F.E.)	01-5000-12
Parker/Gresen	25P, CP, CS, V20, V42 (F.E.) V12 (F.E.) V20 (F.E.) V20 Spring Return (R.E.) V30 (F.E.)	01-5000-12 01-5000-25 01-5000-66 01-5001-39 01-5000-20

VALVE MANUFACTURER	VALVE MANUFACTURER PART NUMBER	WESCON PART NUMBER
Husco	5000 (F.E.) 6000 (F.E.)	01-5000-78 01-5000-25
Kontak	KA-18 (F.E.) KA-18 (F.E.)	01-5000-31* 01-5000-43
Parker	VDPI1, VDPI2 (F.E.)	01-5000-25
Permco	DMD25, DM640 (F.E.) DMD-200, 300, 400 (F.E.)	01-5000-88 01-5001-46
Prince	RD4100 (F.E.) SV Series (F.E.) SV Series (R.E.) 20, 20P (R.E.) LVR, LVT, LVS (F.E.)	01-5000-46 01-5000-82 01-5000-85 01-5001-09 01-5001-35
Racine	3/8 (F.E.)	01-5000-20
Salami	VDM06 (F.E.)	01-5001-71
Sauer-Danfoss	PVG32	01-5001-102
Tyrone	T101/T102 (F.E.)	01-5000-88
Walvoil	DLSM8 (F.E.) SDS 150	01-5000-73 01-5001-89
Williams	Dump Pump	01-5000-42

* Fits Kontak Cable Only

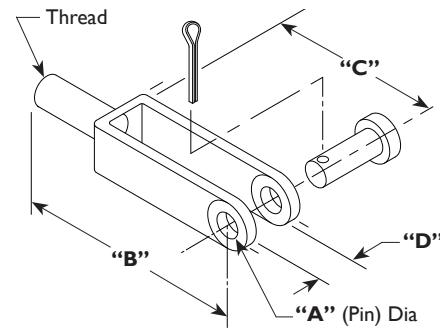
(F.E.) - Front Entry

(R.E.) - Rear Entry

Clevis Assembly

All Dimensions Are Inches (mm)

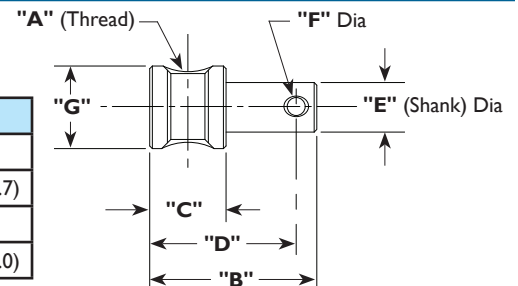
Part Number	"A"	"B"	"C"	"D"
40 Series (1/4-28 Thread)				
06-1500-01	1/4 (6.4)	2 (50.8)	1 1/4 (31.8)	9/32 (7.1)
06-1500-02	5/16 (7.9)	2 1/4 (57.2)	1 7/16 (36.5)	11/32 (8.7)
06-1500-03	3/8 (9.5)	2 1/2 (63.5)	1 5/8 (41.3)	7/16 (11.1)
60 Series (5/16-24 Thread)				
06-1500-06	1/4 (6.4)	2 (50.8)	1 1/4 (31.8)	9/32 (7.1)
06-1500-07	5/16 (7.9)	2 1/4 (57.2)	1 7/16 (36.5)	11/32 (8.7)



Pivot

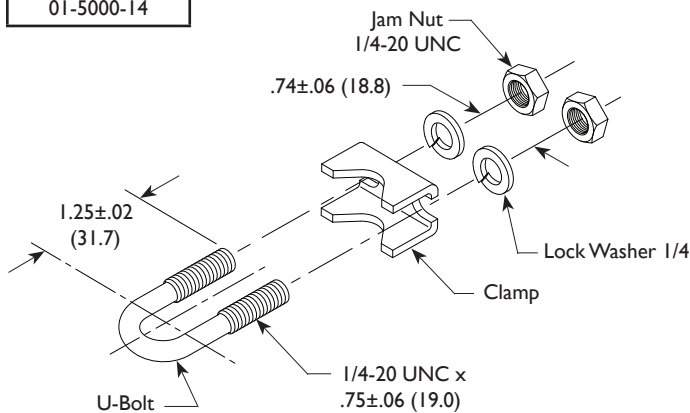
All Dimensions Are Inches (mm)

Part Number	"A"	"B"	"C"	"D"	"E"	"F"	"G"
40 Series							
02-1601-04	1/4-28	.906 (23.0)	.562 (14.3)	.743 (18.9)	.312 (7.9)	.081 (2.1)	.50 (12.7)
60 Series							
02-1601-05	5/16-24	1.265 (32.1)	.578 (14.7)	1.109 (28.2)	.375 (9.5)	.136 (3.5)	.63 (16.0)



U-Bolt Assembly

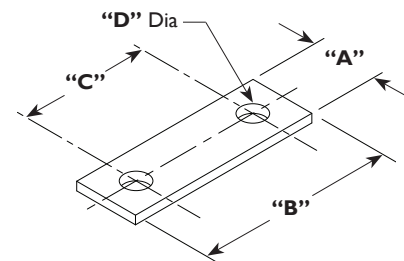
40 & 60 Series
01-5000-14



Shim

All Dimensions Are Inches (mm)

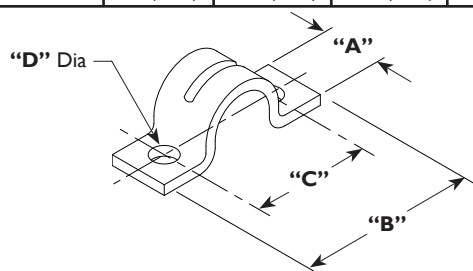
Part Number	"A"	"B"	"C"	"D"
40 Series				
08-0010-02	.50 (12.7)	1.50 (38.1)	1.00 (25.4)	.218 (5.5)
60 Series				
08-0010-03	.62 (15.7)	1.75 (44.4)	1.25 (31.8)	.281 (7.1)



Clamps

All Dimensions Are Inches (mm)

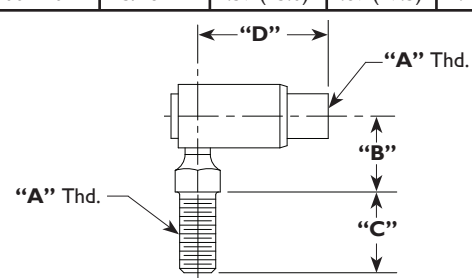
Part Number	"A"	"B"	"C"	"D"
40 Series				
08-0009-02	.50 (12.7)	1.50 (38.1)	1.00 (25.4)	.218 (5.5)
60 Series				
08-0009-03	.62 (15.7)	1.75 (44.4)	1.25 (31.8)	.281 (7.1)



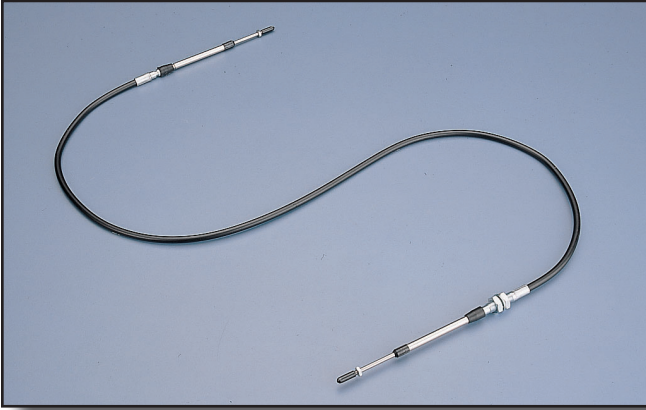
Ball Joint (Style I only)

All Dimensions Are Inches (mm)

Part Number	"A"	"B"	"C"	"D"
40 Series				
08-0004-01	1/4-28	.50 (12.7)	.56 (14.2)	.97 (24.6)
60 Series				
08-0021-01	5/16-24	.59 (15.0)	.69 (17.5)	1.25 (31.8)



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Push-Pull Cables Control Systems

Proven technology and years of experience have gone into making our push-pull cables top of the line in durability and dependability. Polyethylene covers and a variety of conduit constructions can be customized to fit your specific cable usage. Other optional plastics or nylon can be added to suit your environmental, corrosion resistant or extreme temperature applications.



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