

Flexibility with Assurance

- **Poz-E-Lok™ Modular Tooling System**
 - Swivel Bracket Mounts
 - Swivel Brackets
 - Swivel Bracket Arms
 - Swivel Cup Mount
 - Swivel Proximity Mounts
 - Poz-E-Lok™ Z-Nest™ Components
- **Point-to-Point (Polar) Design**
 - Lighter ergonomic end effector allows for fewer parts and stronger operating performance
- **Modular Steel Components with Face-to-Face Locking Teeth**
 - Increased resistance to damage provides faster recovery times
 - The option to weld components in final assembly position on the steel boom offers improved stability.
- **Ease of Assembly**
 - Easy-to-use single bolt size requires only one wrench for the entire assembly
 - Standard off the shelf boom are available in steel or aluminum worldwide
 - Adjust into desired position and locks into place
- **Adjustable**
 - Single-Axis and Multi-Axis configurations for design flexibility
 - Single-Axis Mounts rotate 360° in 7.5° increments
 - Multi-Axis Mounts rotate 360° on perpendicular axis using 7.5° increments
- **Newly Designed 5-Axis Swivel Bracket Arm**
 - Enables vacuum cup to be repositioned and locked in 3D space through flexible wrist action and boom-mounted multi-axis swivel arms
- **Compatible with Existing Components**
 - Poz-E-Lok™ is designed to be compatible with Norgren Automotive products, including vacuum cups, grippers, Quik-Set®, and Robo-Set® mounts and adapters.

Covered by Patent No's 6,619,875; and 6,409,411. Additional patents may also apply



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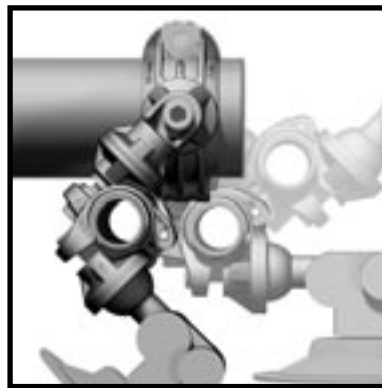
Poz-E-Lok™ Modular Tooling

Introduction of Functionality

Poz-E-Lok™ Modular Tooling System is designed to offer a great deal of flexibility for point-to-point contact to the part. This allows for direct connection from the boom to the cup with one tube. By using additional swivel components a greater range of flexibility can be achieved.



Inter-locking teeth offers adjustability with assurance.



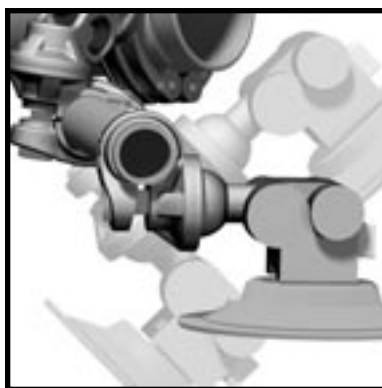
360° Radial adjustment in 7.5° increments directly from the boom.



360° Radial adjustment in 7.5° increments of the arm rod, from the boom.



Infinite Linear adjustment along the boom.



Infinite radial adjustment around the arm rod allows precise angular placement.



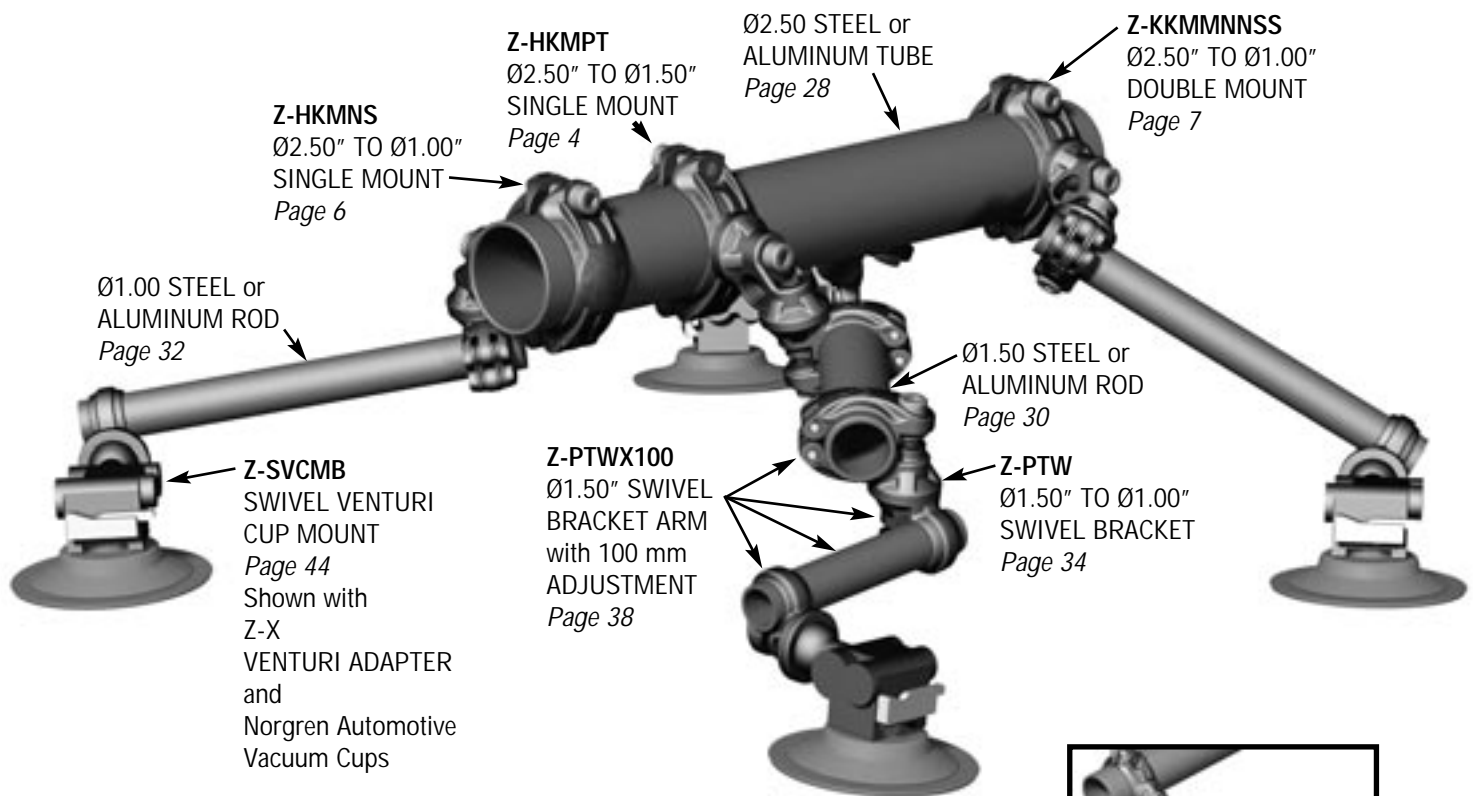
360° Radial adjustment in 7.5° increments for final cup adjustability with teeth-locking assurance.

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

Example of a Poz-E-Lok End-of-Arm Tool

(For typical tooling applications, please refer to pages 60-66)



Poz-E-Lok™ Modular Tooling System shown with Z-PTW Ø1.50" to Ø1.00" Swivel Bracket with two swivel venturi vacuum cup mounts on a Ø1.00" boom rod.



Poz-E-Lok™ tooling assemblies consist of parts cast with the Poz-E-Lok™ "Z" logo followed by a letter to identify each part. The parts are also cast with the diameter sizes in both english and metric when applicable.



Identifying an assembly is as easy as taking note of the letters on each of the parts within the assembly. The collection of these letters make up the ordering information for that assembly. The combination of the letters in the ordering information makes ordering replacement parts simple and virtually error-proof.

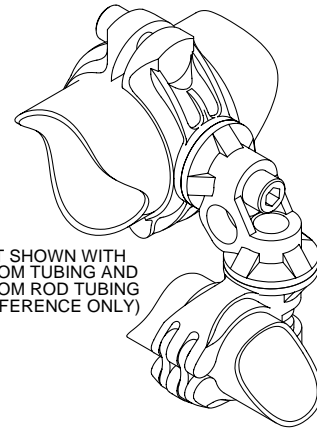
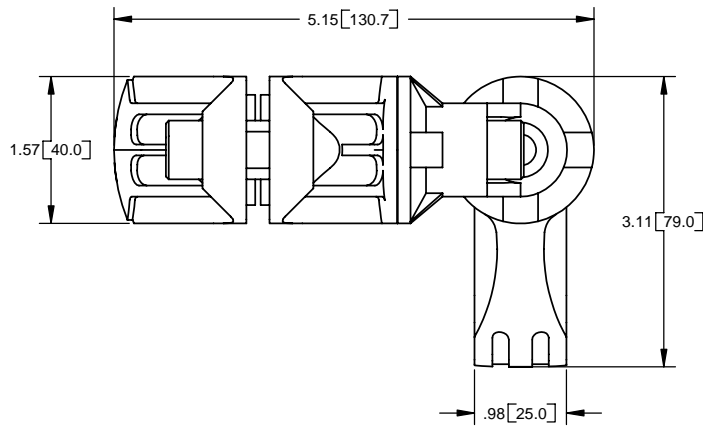


Poz-E-Lok™ Modular Tooling

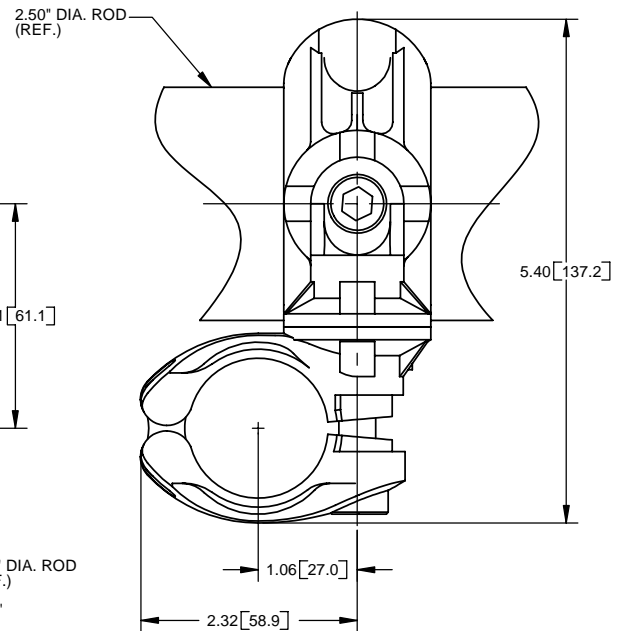
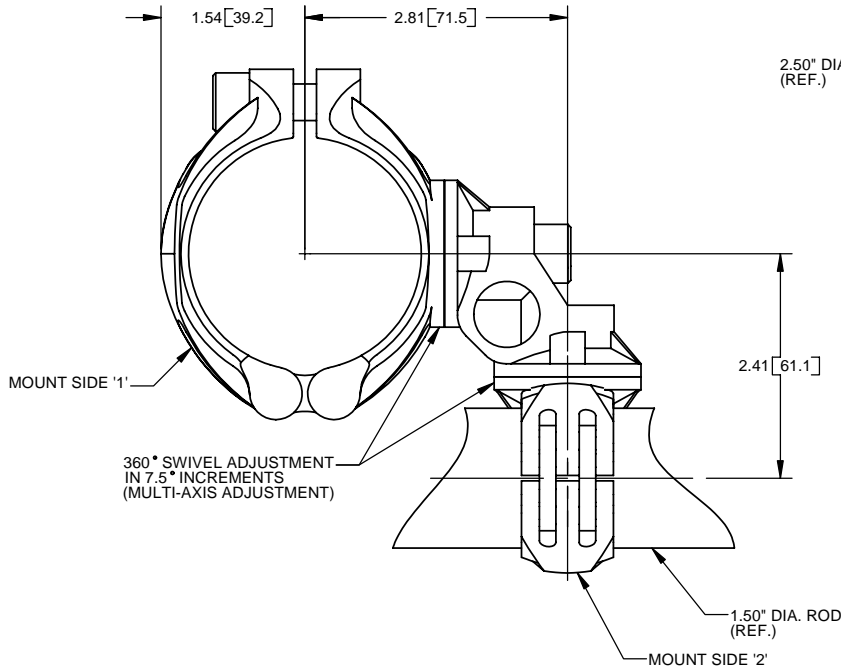
Poz-E-Lok™ Modular Tooling

2.50" to 1.50" Single Multi-Axis Swivel Boom Mount

Z-HKMPT Overall Dimensions



Z-HKMPT SHOWN WITH 2.50" BOOM TUBING AND 1.50" BOOM ROD TUBING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Z - H K M P T

- Z - POZ-E-LOK SWIVEL BOOM MOUNT
- H - MOUNT SIDE '1' H = CAP
- K - MOUNT SIDE '2' K = 2.5 SWIVEL MOUNT
- M - SWIVEL ADAPTER
- P - SWIVEL BRACKET PT = 1.5 INCH
- T - SWIVEL BRACKET PT = 1.5 INCH

MATERIAL: 4041 CAST STEEL
WEIGHT: 2.6 LBS. (1.2KG)

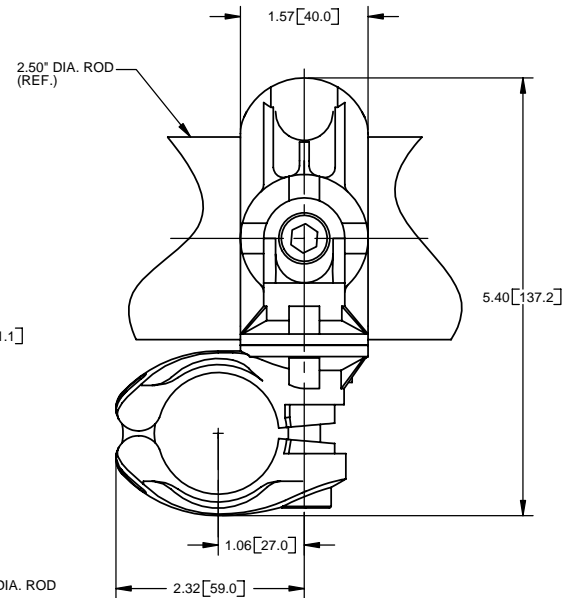
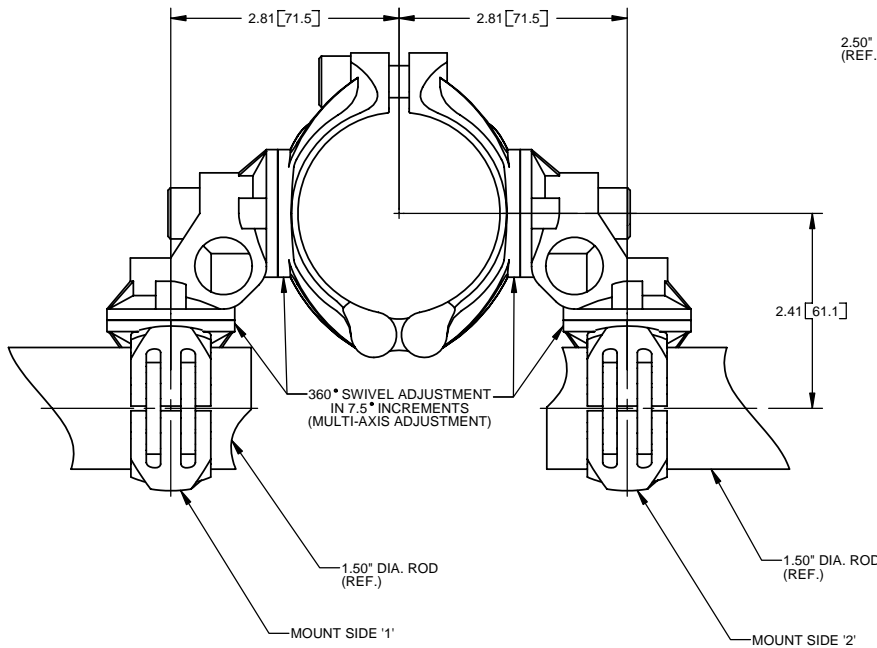
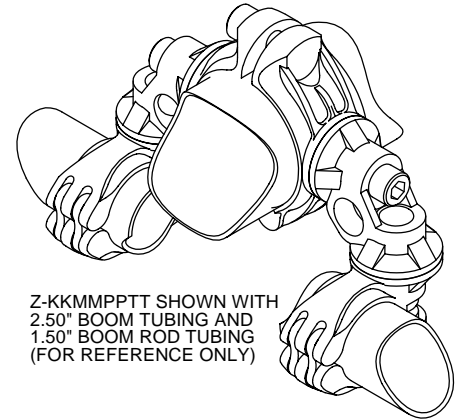
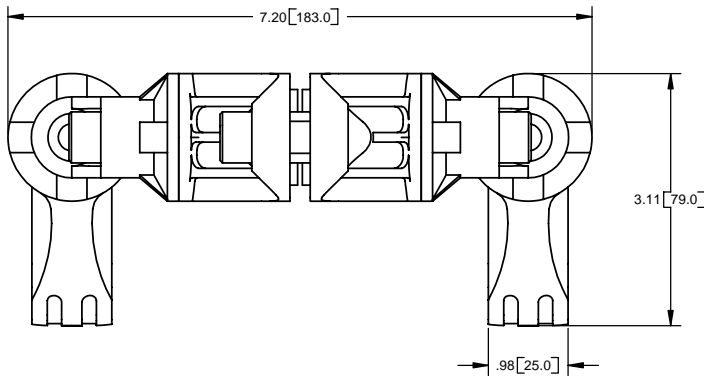
NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

Poz-E-Lok™ Modular Tooling

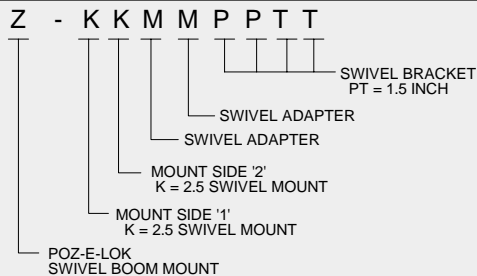
Poz-E-Lok™ Modular Tooling

2.50" to 1.50" Double Multi-Axis Swivel Boom Mount

Z-KKMPPTT Overall Dimensions



ORDERING INFORMATION



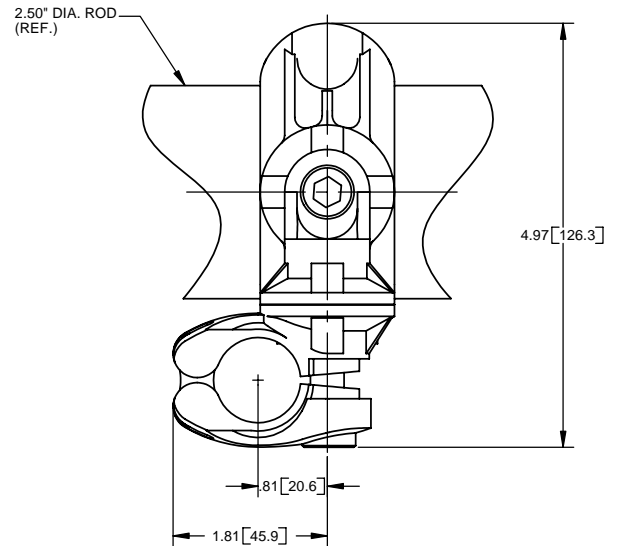
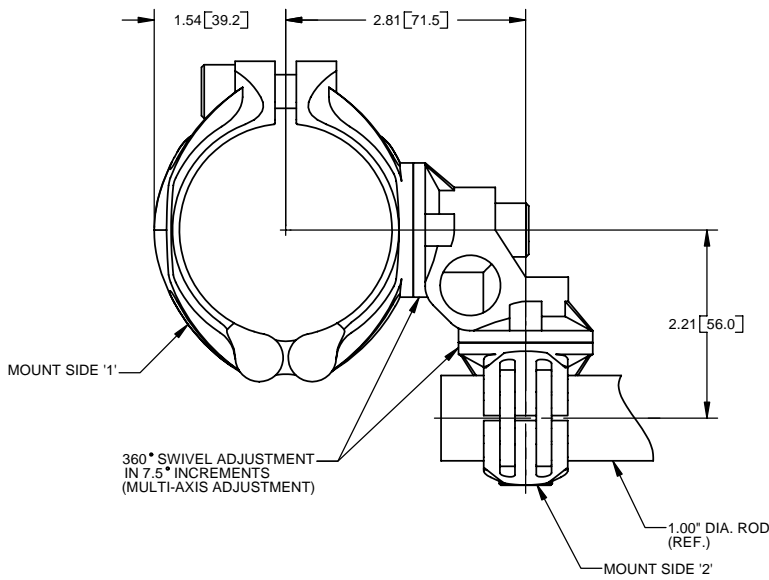
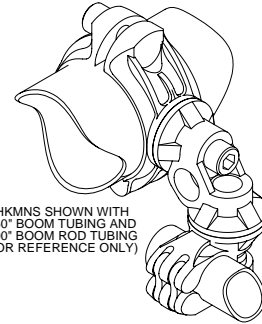
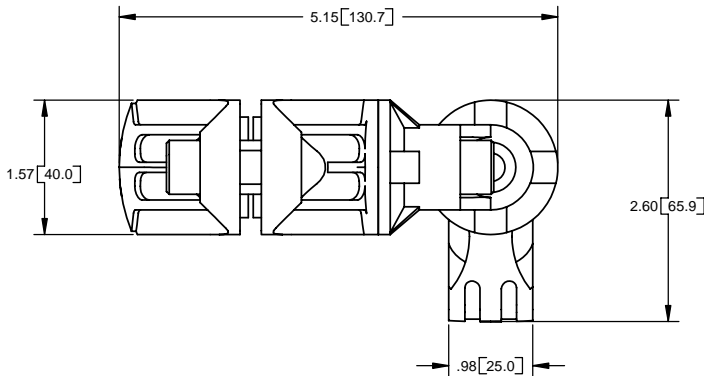
MATERIAL: 4041 CAST STEEL
WEIGHT: 4.1 LBS. (1.9KG)

NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

Poz-E-Lok™ Modular Tooling

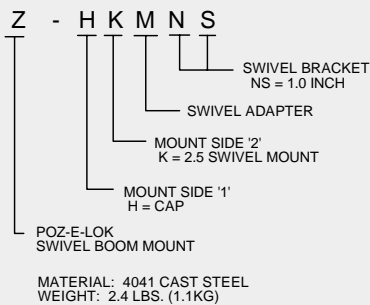
2.50" to 1.00" Single Multi-Axis Swivel Boom Mount

Z-HKMNS Overall Dimensions



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

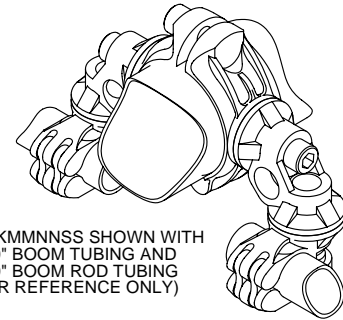
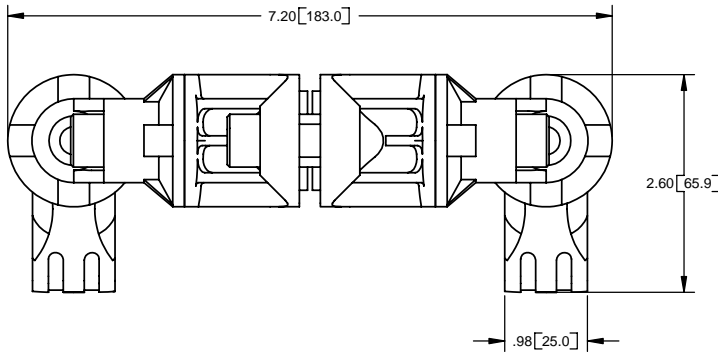


Poz-E-Lok™ Modular Tooling

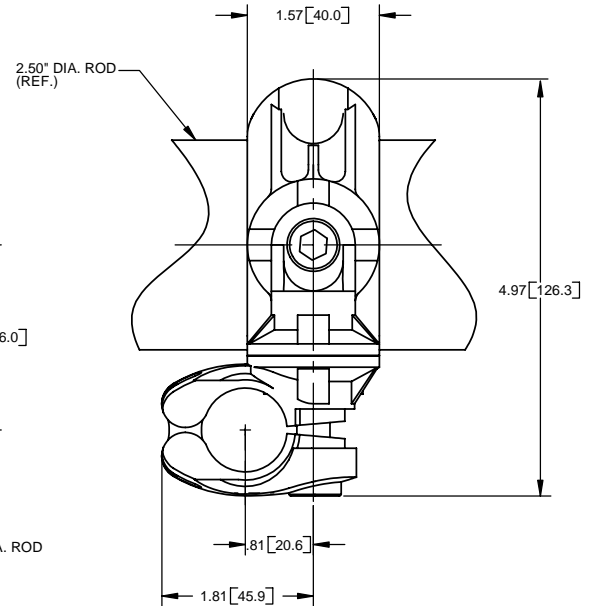
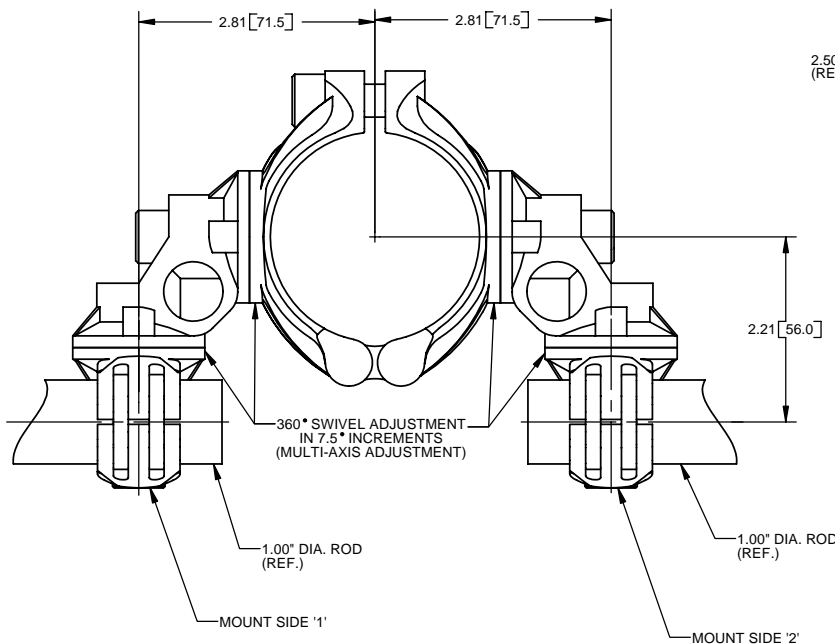
Poz-E-Lok™ Modular Tooling

2.50" to 1.00" Double Multi-Axis Swivel Boom Mount

Z-KKMMNNS Overall Dimensions



Z-KKMMNNS SHOWN WITH 2.50" BOOM TUBING AND 1.00" BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

Z - K K M M N N S S

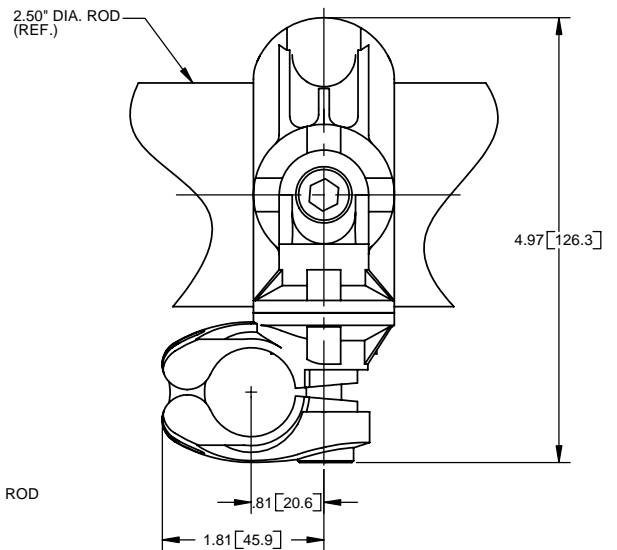
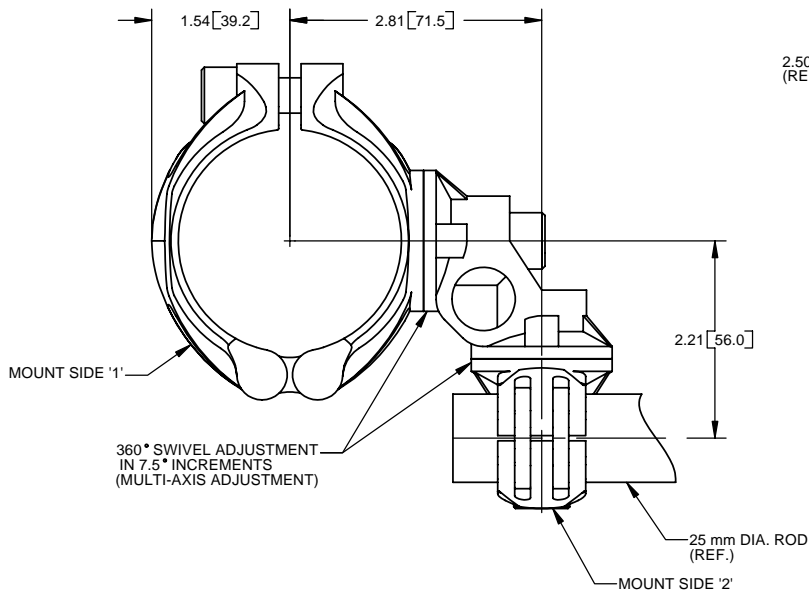
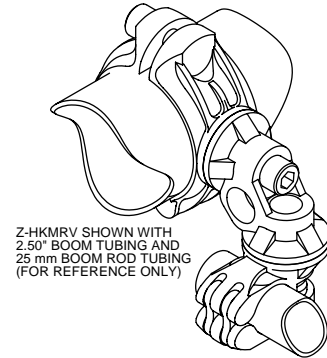
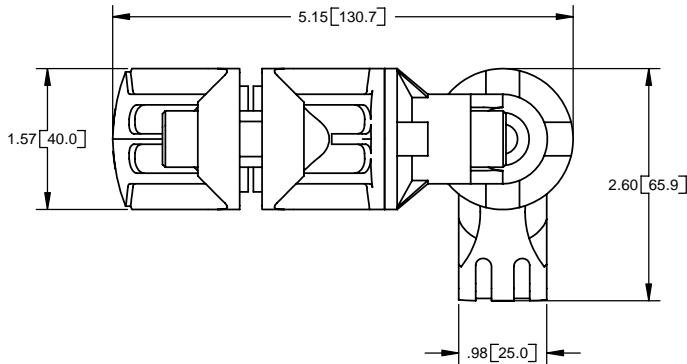
- Z - POZ-E-LOK SWIVEL BOOM MOUNT
- K - MOUNT SIDE '1' K = 2.5 SWIVEL MOUNT
- K - MOUNT SIDE '2' K = 2.5 SWIVEL MOUNT
- M - SWIVEL ADAPTER
- M - SWIVEL ADAPTER
- N - SWIVEL ADAPTER
- N - SWIVEL ADAPTER
- S - SWIVEL BRACKET NS = 1.0 INCH
- S - SWIVEL BRACKET NS = 1.0 INCH

MATERIAL: 4041 CAST STEEL
WEIGHT: 3.7 LBS. (1.7KG)

Poz-E-Lok™ Modular Tooling

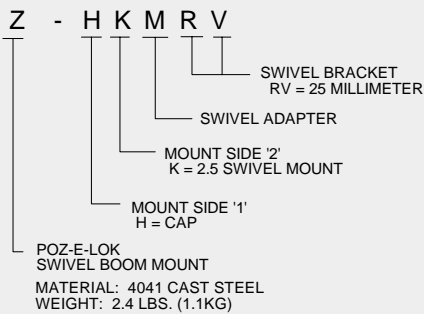
2.50" to 25mm Single Multi-Axis Swivel Boom Mount

Z-HKMRV Overall Dimensions



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

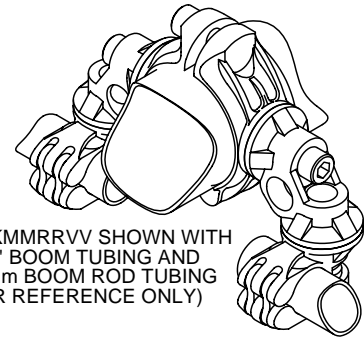
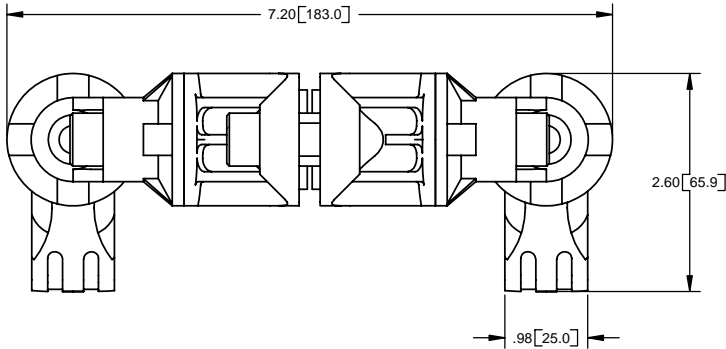


Poz-E-Lok™ Modular Tooling

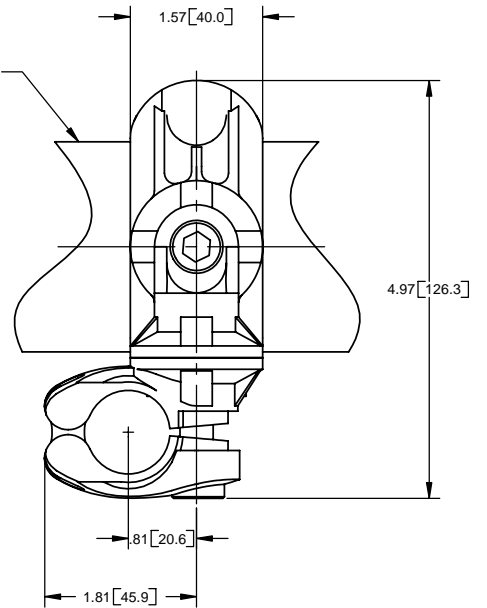
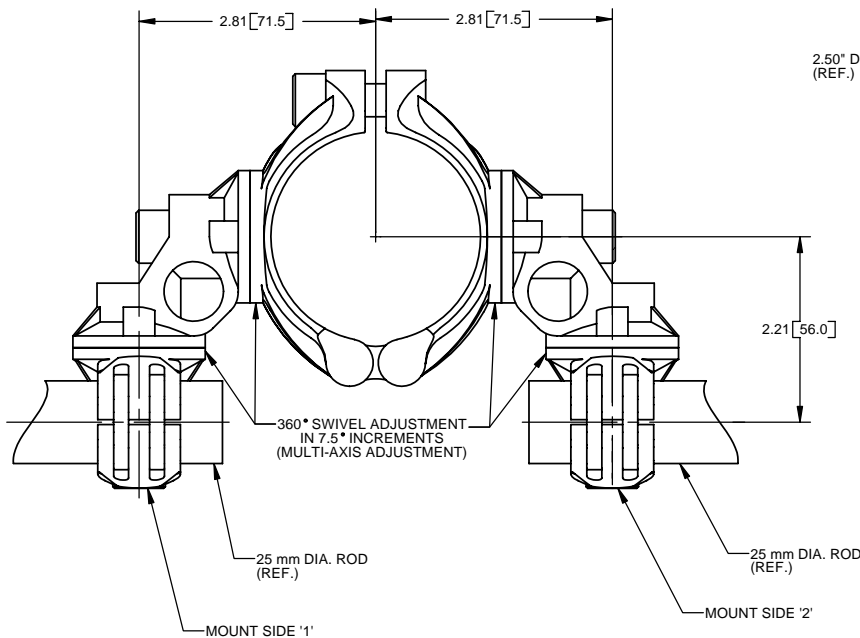
Poz-E-Lok™ Modular Tooling

2.50" to 25mm Double Multi-Axis Swivel Boom Mount

Z-KKMMRRVV Overall Dimensions



Z-KKMMRRVV SHOWN WITH 2.50" BOOM TUBING AND 25 mm BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

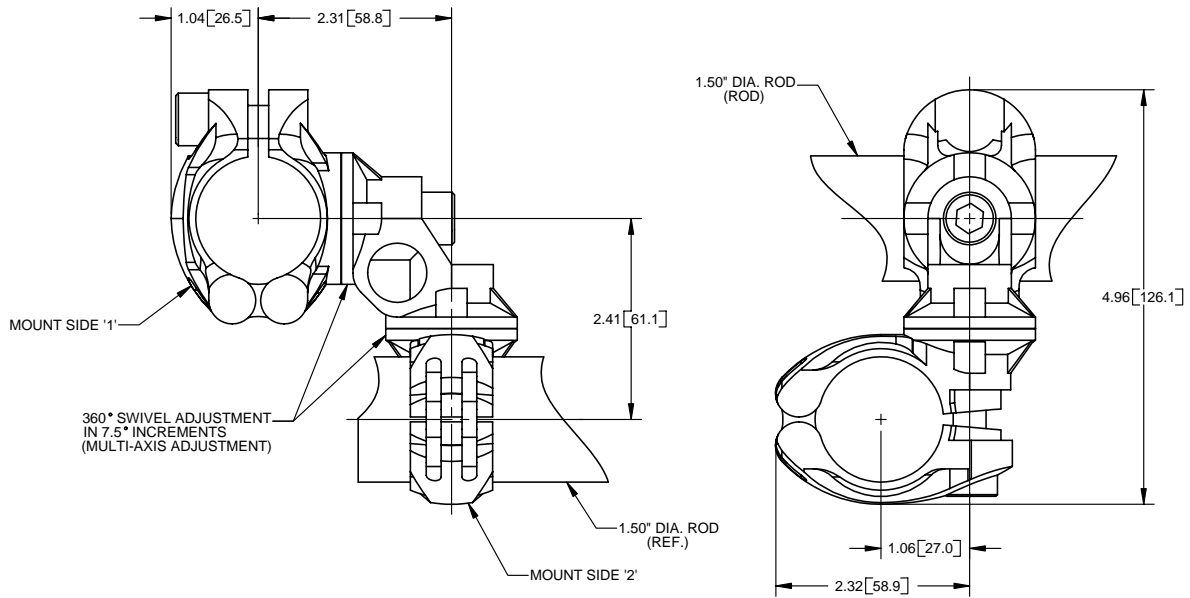
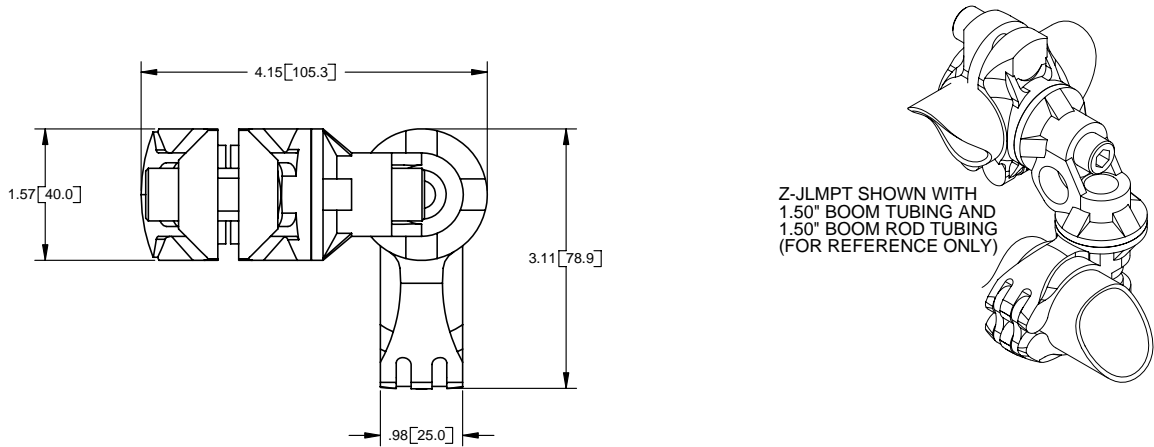
Z - POZ-E-LOK SWIVEL BOOM MOUNT
K - MOUNT SIDE '1' K = 2.5 SWIVEL MOUNT
K - MOUNT SIDE '2' K = 2.5 SWIVEL MOUNT
M - SWIVEL ADAPTER
M - SWIVEL ADAPTER
R - SWIVEL ADAPTER
R - SWIVEL ADAPTER
V - SWIVEL BRACKET RV = 25 MILLIMETER
V - SWIVEL BRACKET RV = 25 MILLIMETER

MATERIAL: 4041 CAST STEEL
 WEIGHT: 3.7 LBS. (1.7KG)

Poz-E-Lok™ Modular Tooling

1.50" to 1.50" Single Multi-Axis Swivel Boom Mount

Z-JLMPT Overall Dimensions



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

Z - J L M P T

- Z - POZ-E-LOK SWIVEL BOOM MOUNT
- J - CAP
- L - MOUNT SIDE '1'
- M - MOUNT SIDE '2' L = 1.5 SWIVEL MOUNT
- P - SWIVEL ADAPTER
- T - SWIVEL BRACKET PT = 1.50" INCH

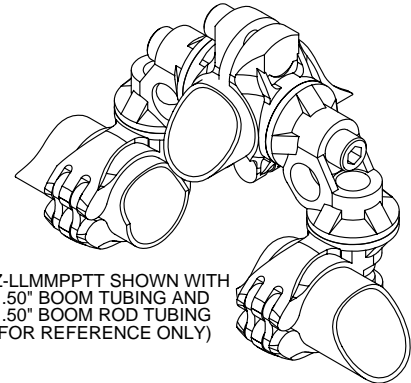
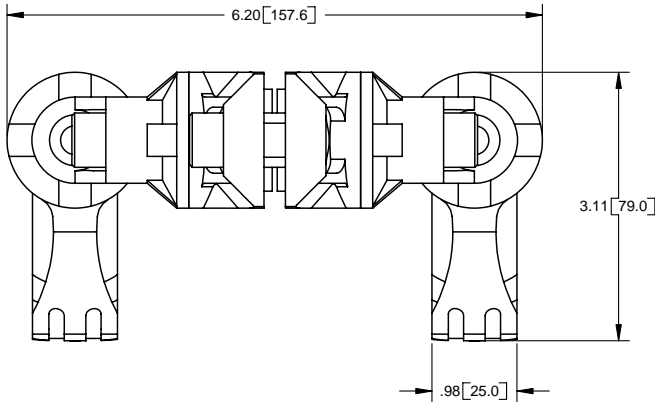
MATERIAL: 4041 CAST STEEL
WEIGHT: 2.3 LBS. (1.05KG)

Poz-E-Lok™ Modular Tooling

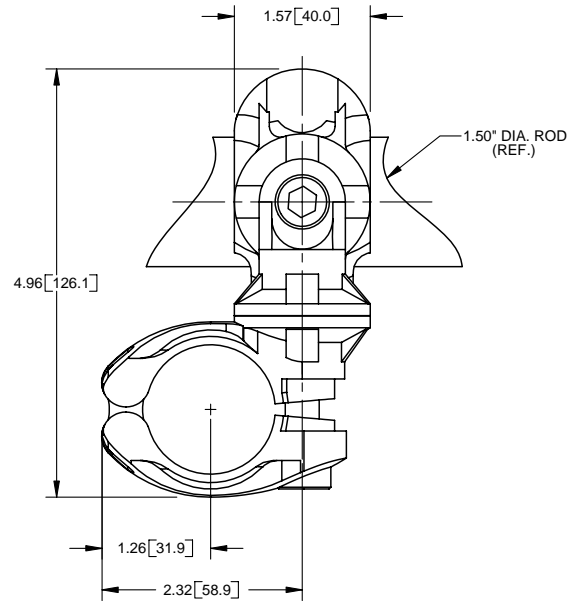
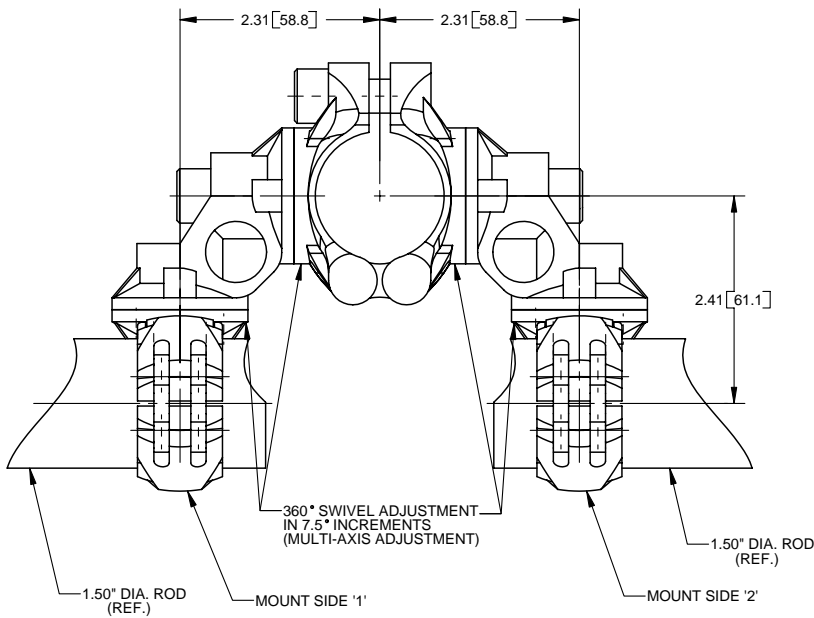
Poz-E-Lok™ Modular Tooling

1.50" to 1.50" Double Multi-Axis Swivel Boom Mount

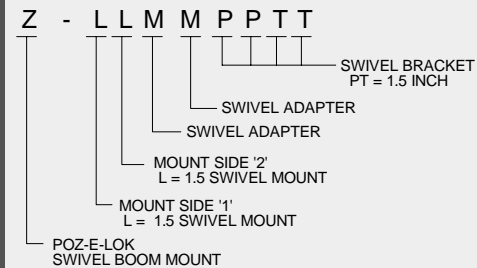
Z-LLMMPPTT Overall Dimensions



Z-LLMMPPTT SHOWN WITH 1.50" BOOM TUBING AND 1.50" BOOM ROD TUBING (FOR REFERENCE ONLY)



ORDERING INFORMATION



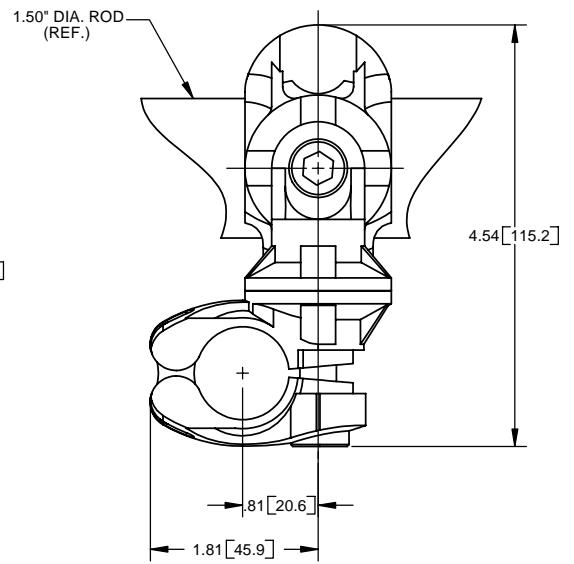
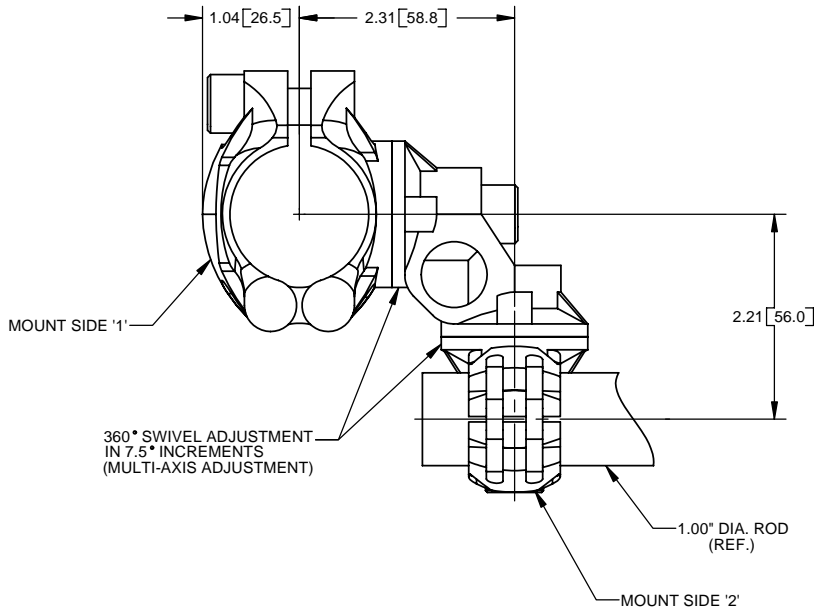
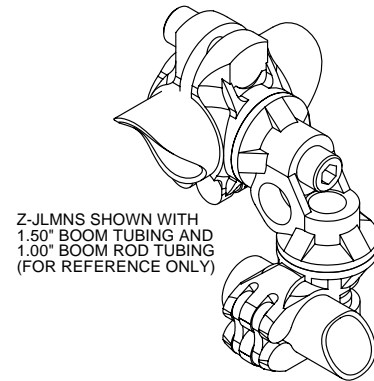
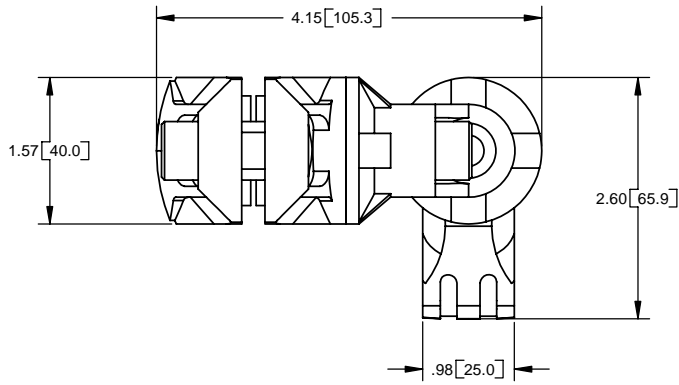
MATERIAL: 4041 CAST STEEL
WEIGHT: 3.9 LBS. (1.77KG)

NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

Poz-E-Lok™ Modular Tooling

1.50" to 1.00" Single Multi-Axis Swivel Boom Mount

Z-JLMNS Overall Dimensions



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

Z - J L M N S

- Z — POZ-E-LOK SWIVEL BOOM MOUNT
- J — MOUNT SIDE '1' J = CAP
- L — MOUNT SIDE '2' L = 1.5 SWIVEL MOUNT
- M — SWIVEL ADAPTER
- N — SWIVEL BRACKET NS = 1.0 INCH
- S — SWIVEL BRACKET NS = 1.0 INCH

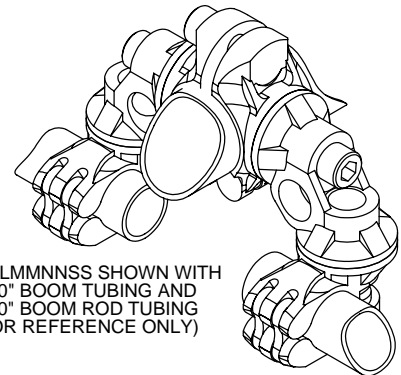
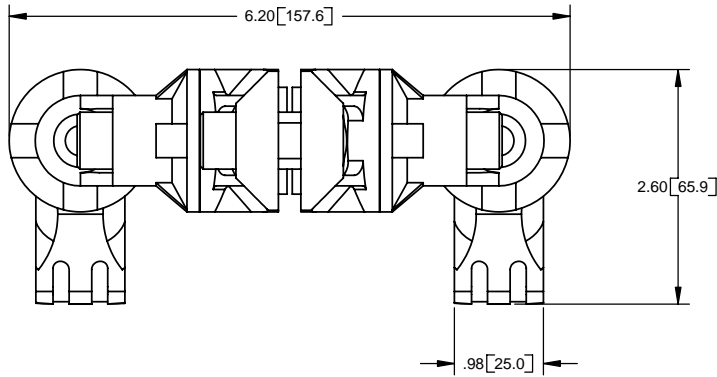
MATERIAL: 4041 CAST STEEL
WEIGHT: 2.1 LBS. (0.95KG)

Poz-E-Lok™ Modular Tooling

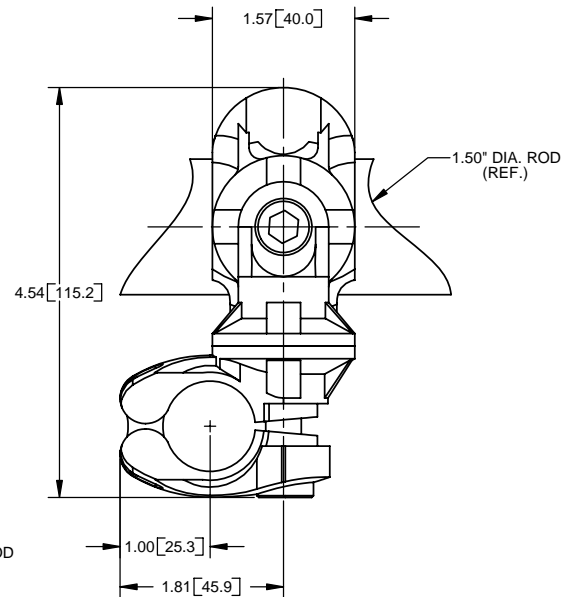
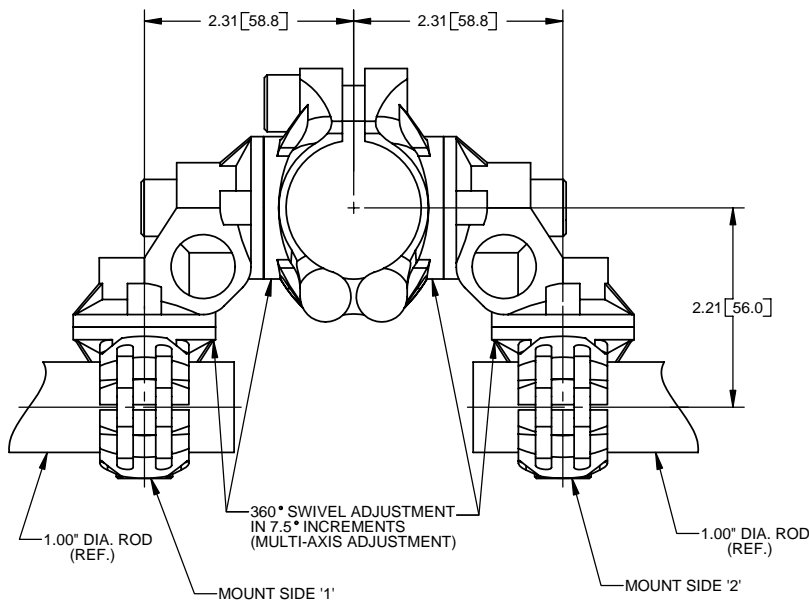
Poz-E-Lok™ Modular Tooling

1.50" to 1.00" Double Multi-Axis Swivel Boom Mount

Z-LLMMNNS Overall Dimensions

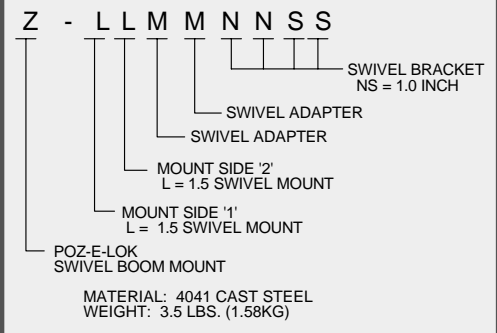


Z-LLMMNNS SHOWN WITH 1.50" BOOM TUBING AND 1.00" BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

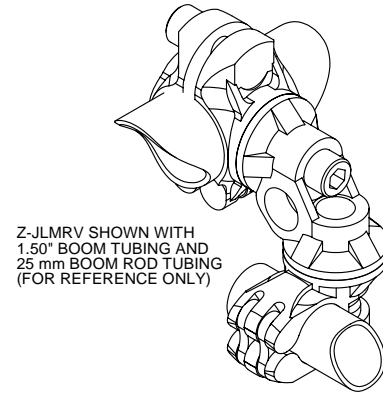
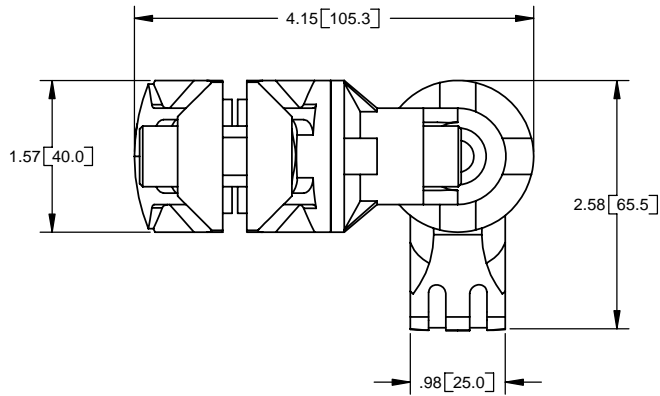
ORDERING INFORMATION



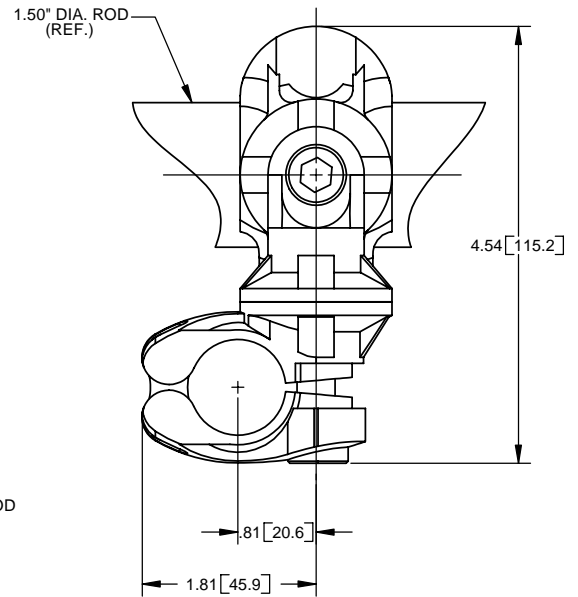
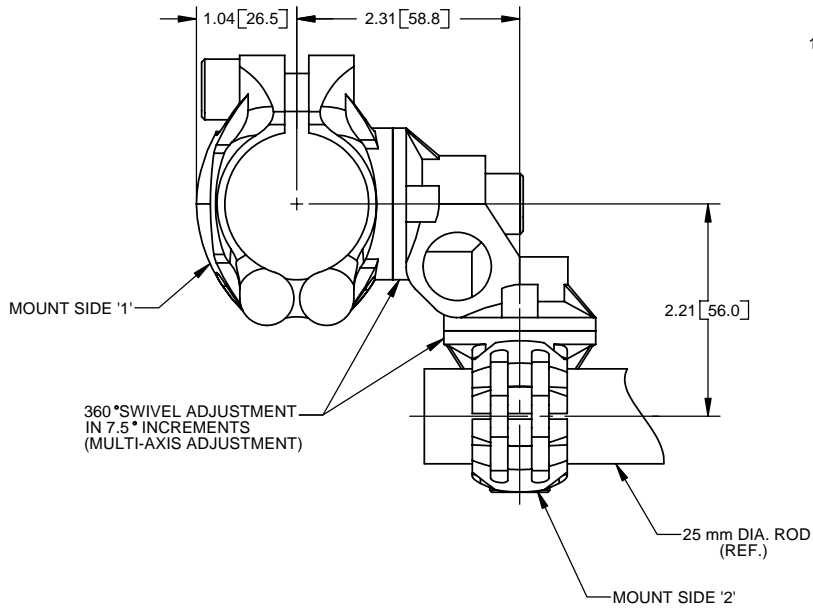
Poz-E-Lok™ Modular Tooling

1.50" to 25mm Single Multi-Axis Swivel Boom Mount

Z-JLMRV Overall Dimensions

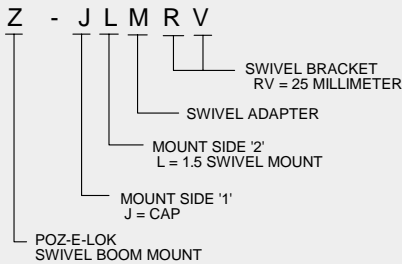


Z-JLMRV SHOWN WITH 1.50" BOOM TUBING AND 25 mm BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION



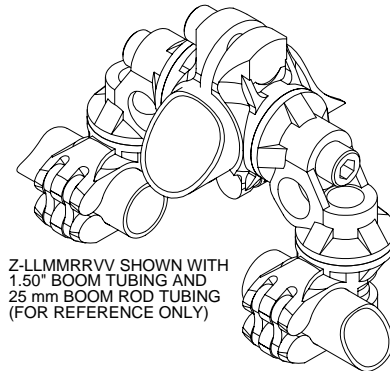
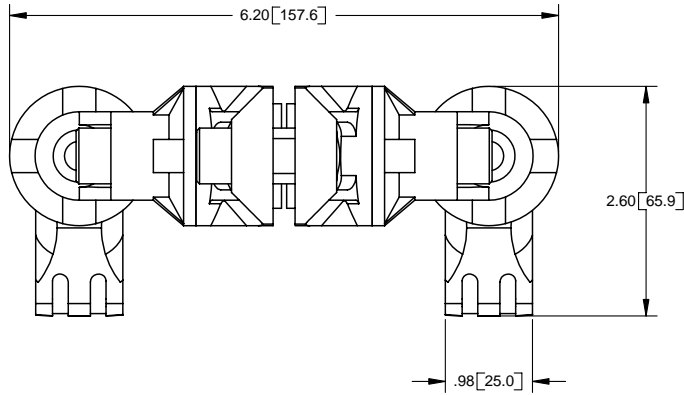
MATERIAL: 4041 CAST STEEL
WEIGHT: 2.1 LBS. (0.95KG)

Poz-E-Lok™ Modular Tooling

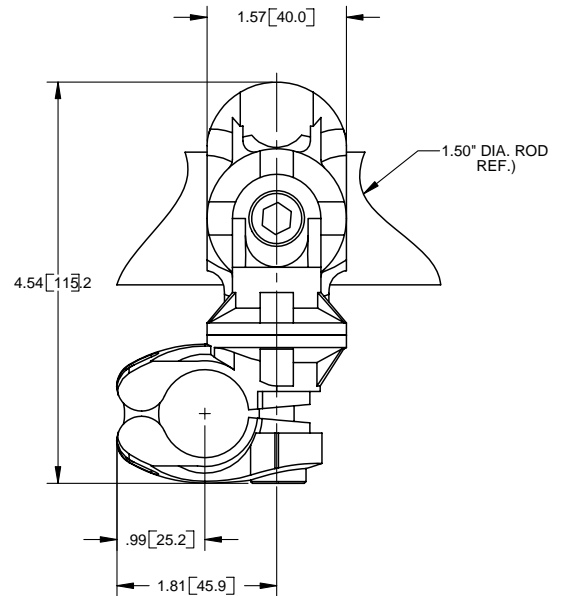
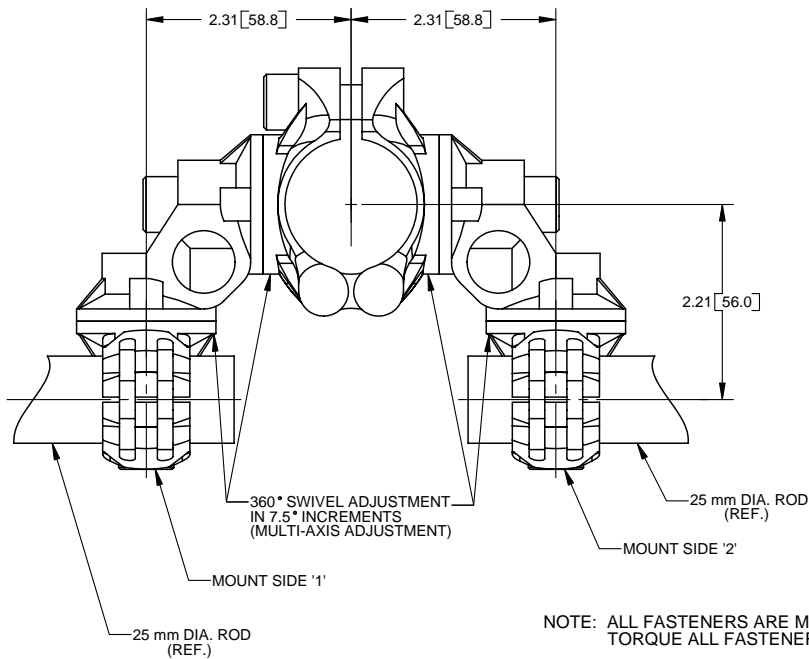
Poz-E-Lok™ Modular Tooling

1.50" to 25mm Double Multi-Axis Swivel Boom Mount

Z-LLMMRRVV Overall Dimensions

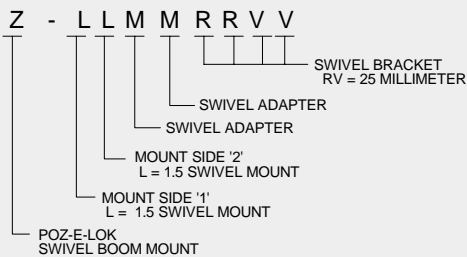


Z-LLMMRRVV SHOWN WITH 1.50" BOOM TUBING AND 25 mm BOOM ROD TUBING (FOR REFERENCE ONLY)



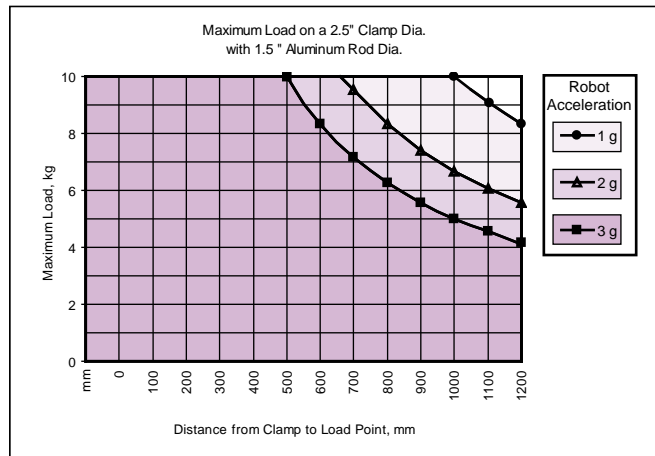
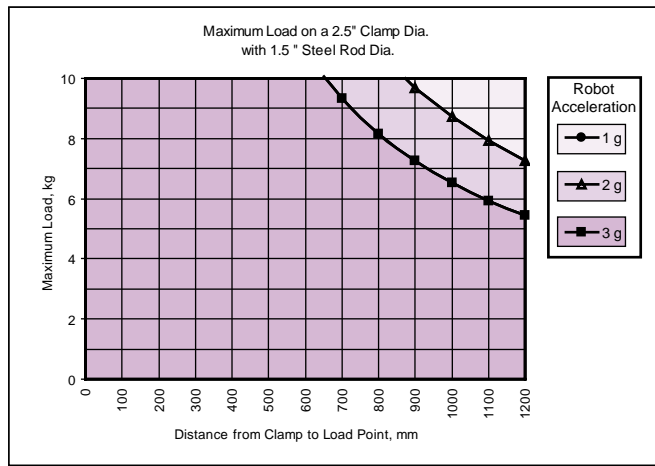
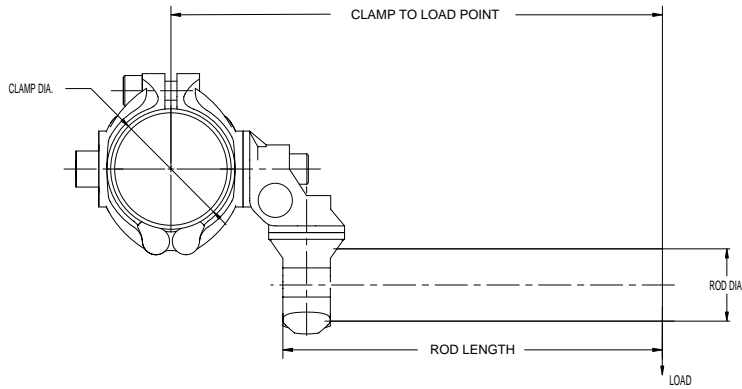
NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION



MATERIAL: 4041 CAST STEEL
WEIGHT: 3.5 LBS. (1.59KG)

Poz-E-Lok™ Modular Tooling
 2.50" to 1.50" Swivel Boom Mount
 Moment Load Charts

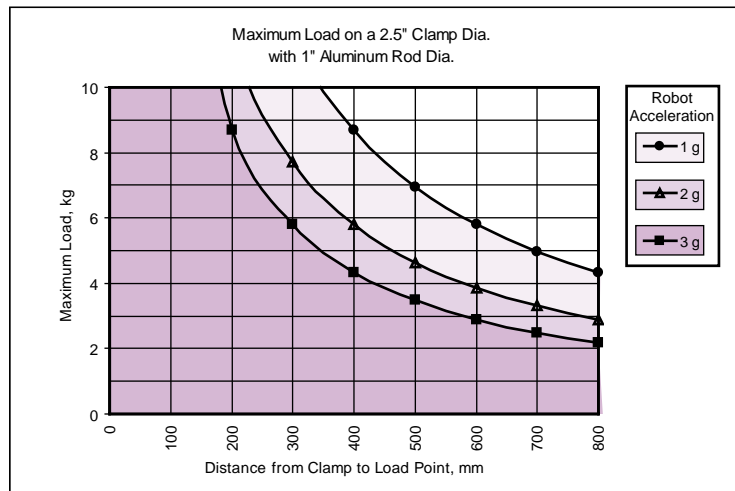
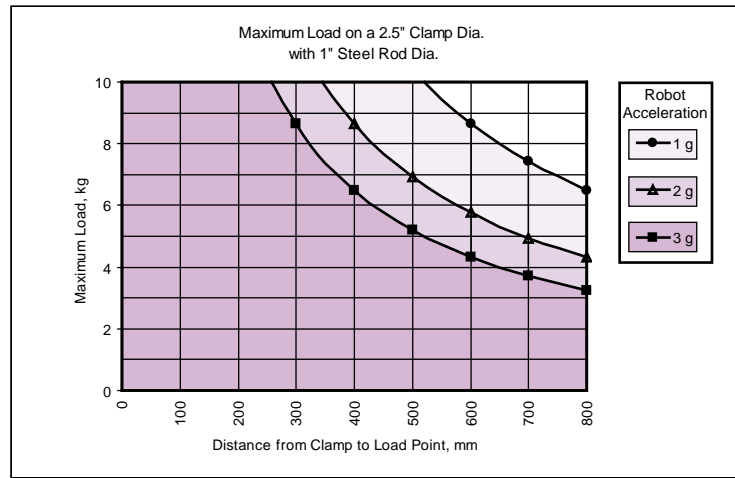
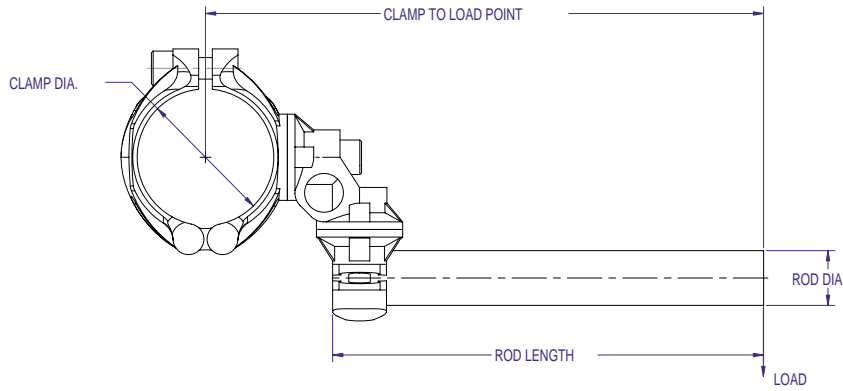


Moment load charts are to be used as general tooling application guidelines. Please use discretion if automation equipment operates with excessive vibration.

Poz-E-Lok™ Modular Tooling

2.50" to 1.00"/25mm Swivel Boom Mount

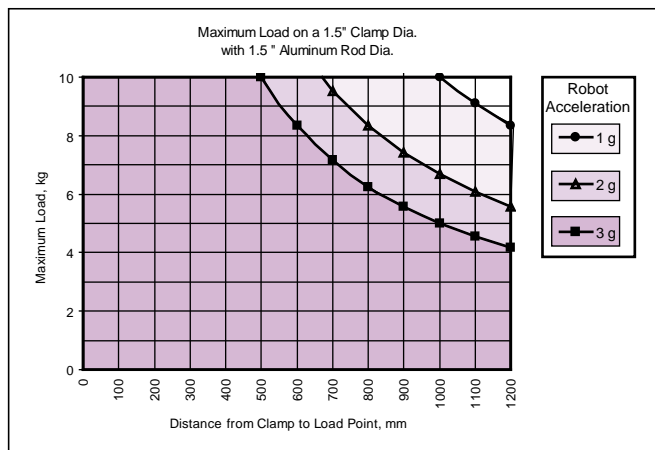
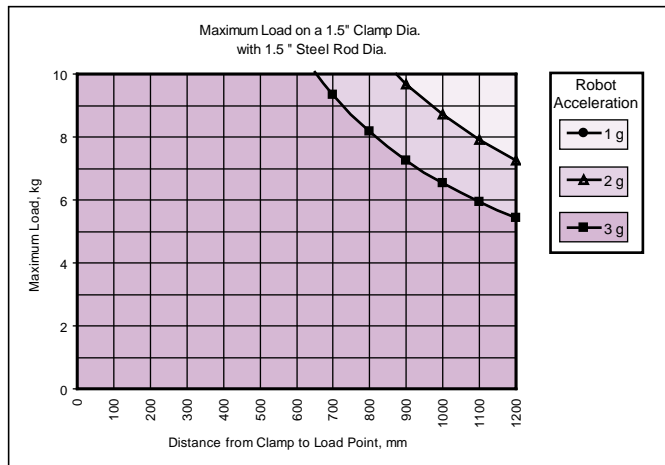
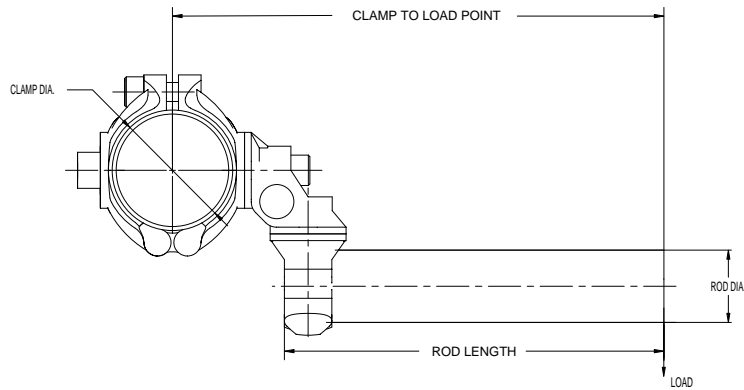
Moment Load Charts



Moment load charts are to be used as general tooling application guidelines.
Please use discretion if automation equipment operates with excessive vibration.

Poz-E-Lok™ Modular Tooling

1.50" to 1.50" Swivel Boom Mount
Moment Load Charts



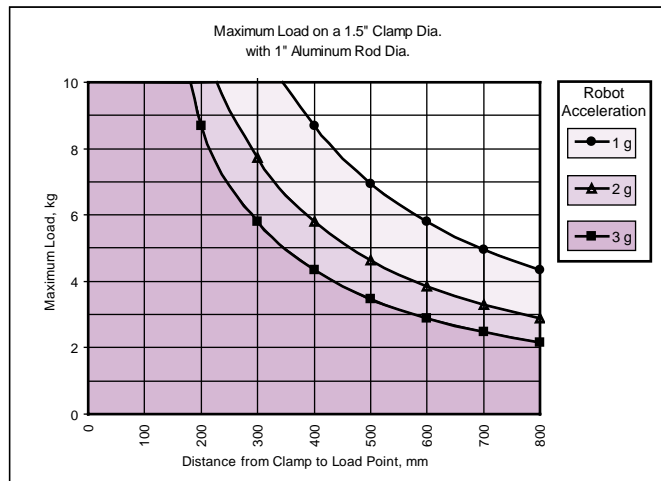
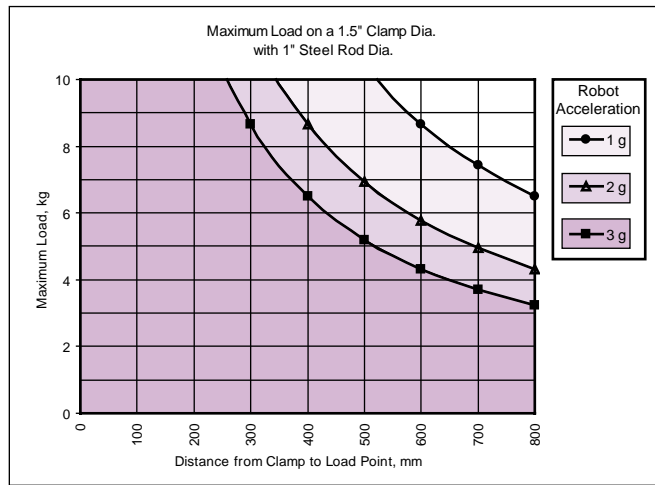
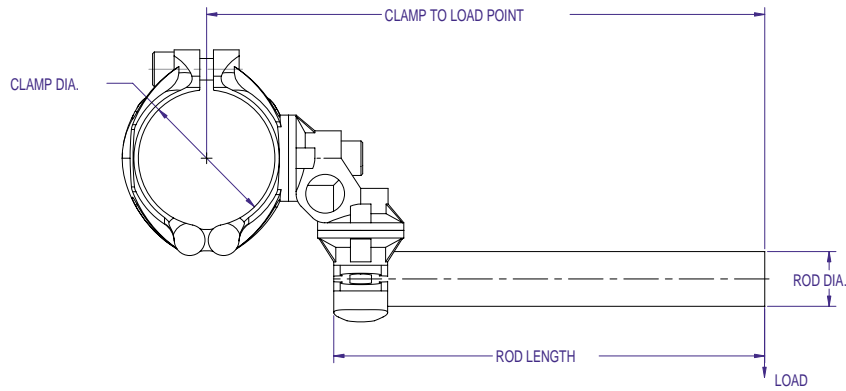
Moment load charts are to be used as general tooling application guidelines. Please use discretion if automation equipment operates with excessive vibration.

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

1.50" to 1.00"/25mm Swivel Boom Mount

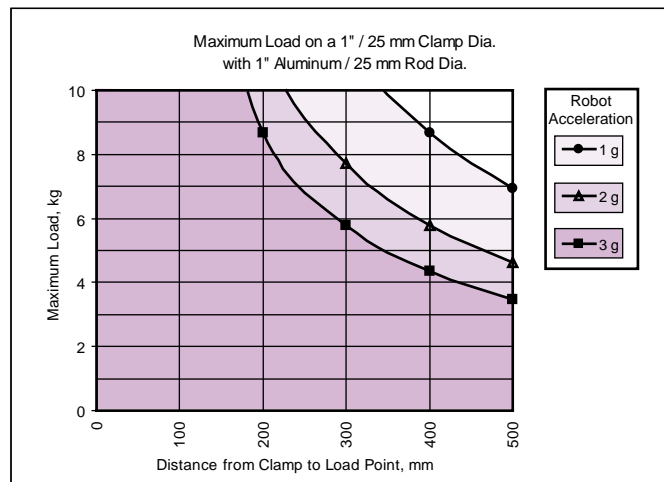
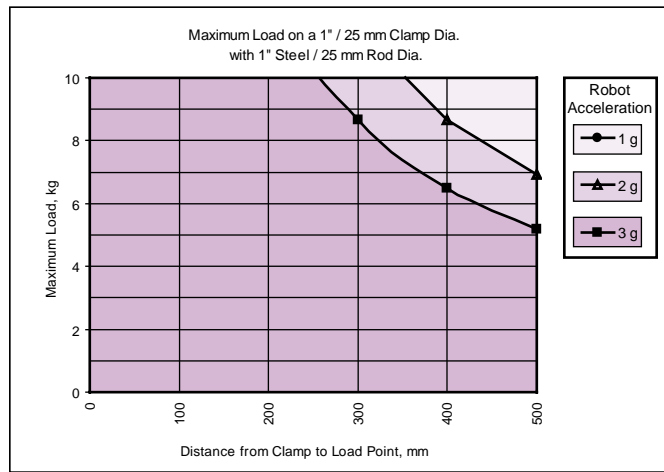
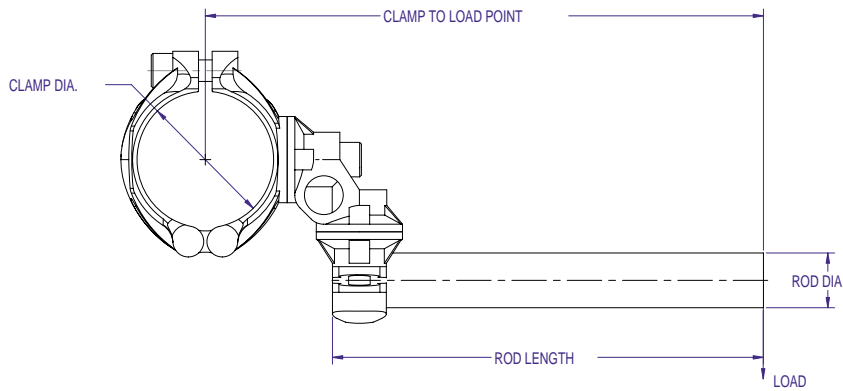
Moment Load Charts



Moment load charts are to be used as general tooling application guidelines. Please use discretion if automation equipment operates with excessive vibration.

Poz-E-Lok™ Modular Tooling

1.00"/25mm to 1.00"/25mm Swivel Boom Mount
 Moment Load Charts

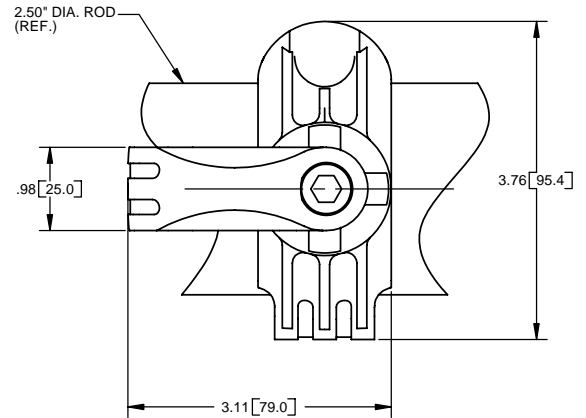
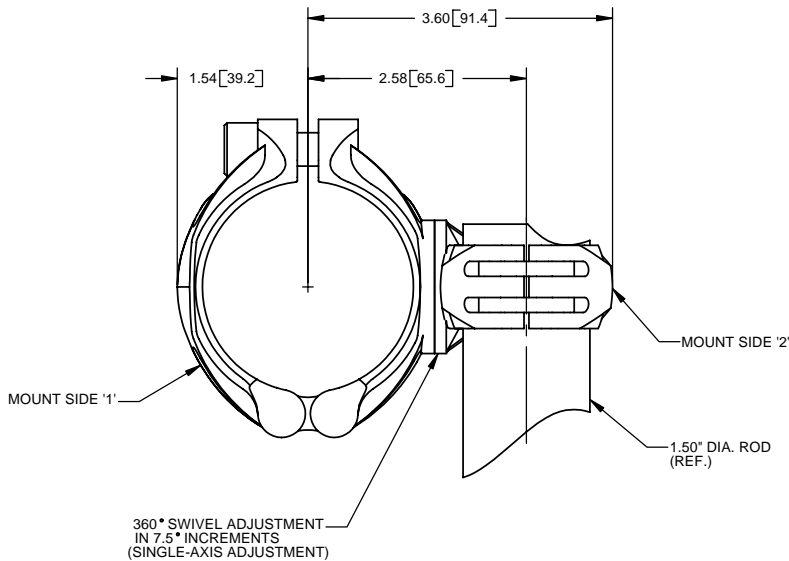
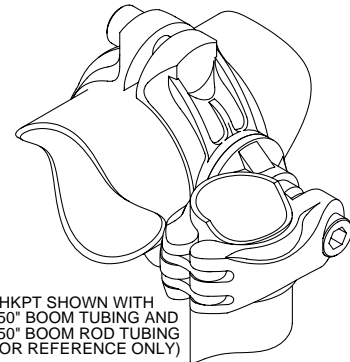
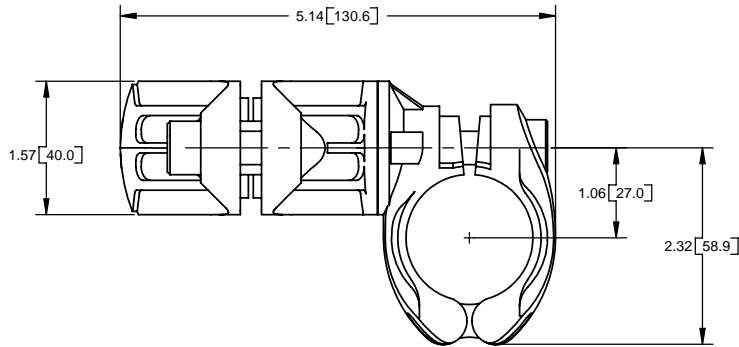


Moment load charts are to be used as general tooling application guidelines.
 Please use discretion if automation equipment operates with excessive vibration.

Poz-E-Lok™ Modular Tooling

NOTES

Poz-E-Lok™ Modular Tooling
 2.50" to 1.50" Single Swivel Boom Mount
Z-HKPT Overall Dimensions



NOTE: ALL FASTENERS ARE M10
 TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
 57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

Z - H K P T

- Z — POZ-E-LOK SWIVEL BOOM MOUNT
- H — MOUNT SIDE '1' H = CAP
- K — MOUNT SIDE '2' K = 2.5 SWIVEL MOUNT
- P — SWIVEL BRACKET PT = 1.5 INCH
- T —

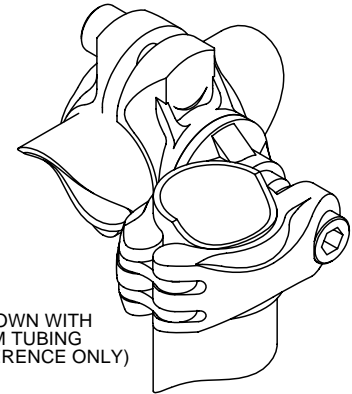
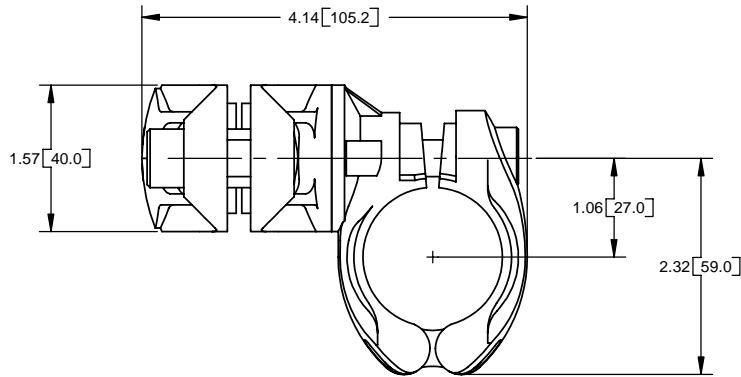
MATERIAL: 4041 CAST STEEL
 WEIGHT: 2.2 LBS. (1.0KG)

Poz-E-Lok™ Modular Tooling

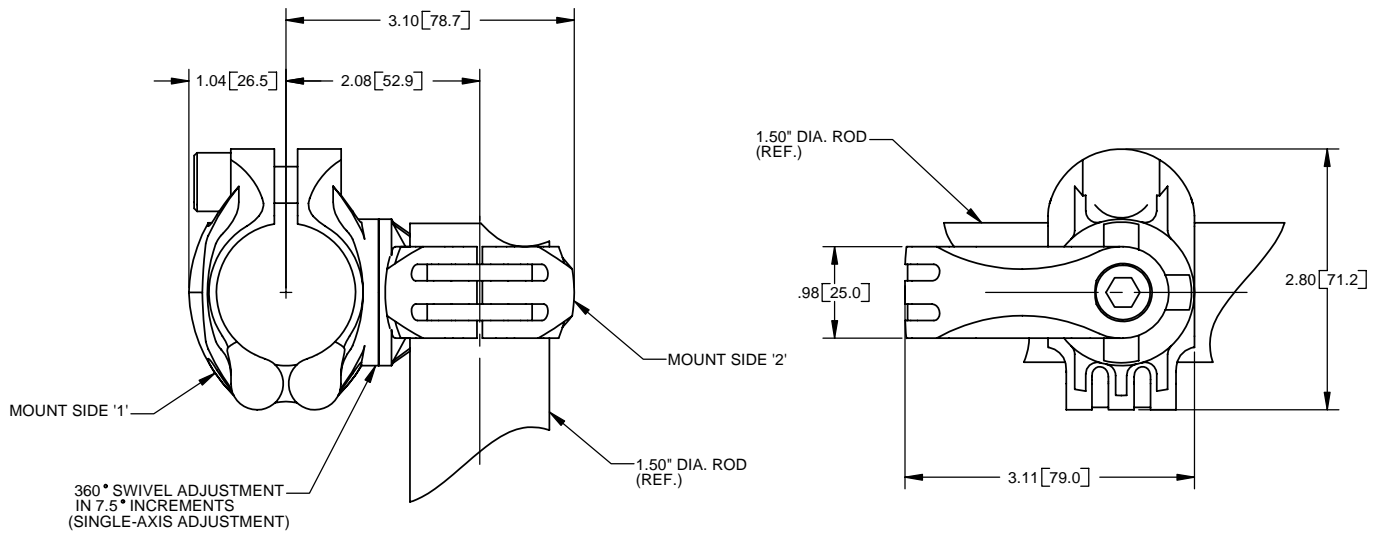
Poz-E-Lok™ Modular Tooling

1.50" to 1.50" Single Swivel Boom Mount

Z-JLPT Overall Dimensions



Z-JLPT SHOWN WITH
1.50" BOOM TUBING
(FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

Z - J L P T

- SWIVEL BRACKET
PT = 1.5 INCH
- MOUNT SIDE '2'
L = 1.5 SWIVEL MOUNT
- MOUNT SIDE '1'
J = CAP

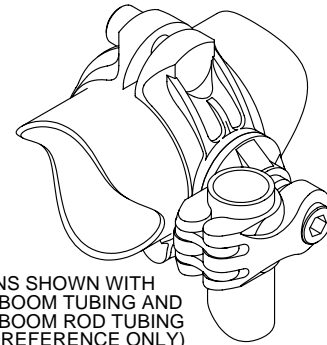
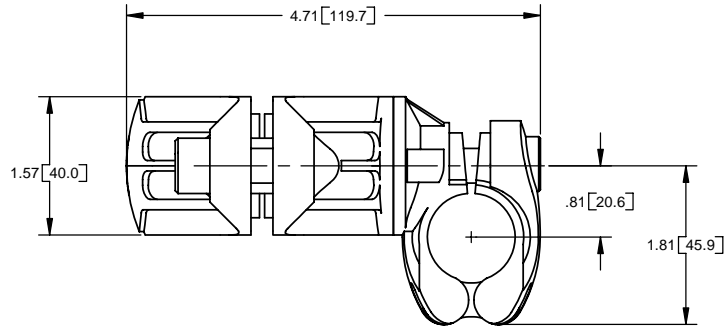
POZ-E-LOK
SWIVEL BOOM MOUNT

MATERIAL: 4041 CAST STEEL
WEIGHT: 1.8 LBS. (.8KG)

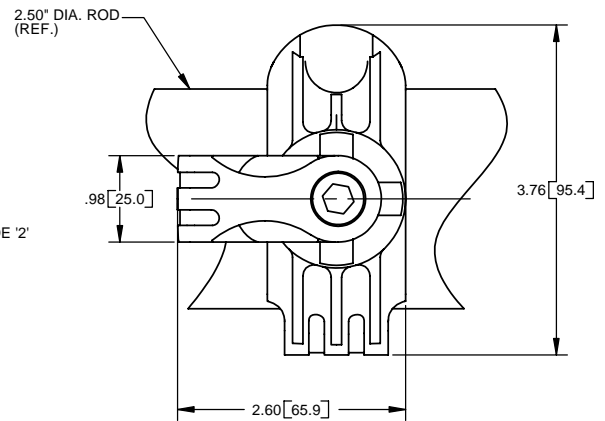
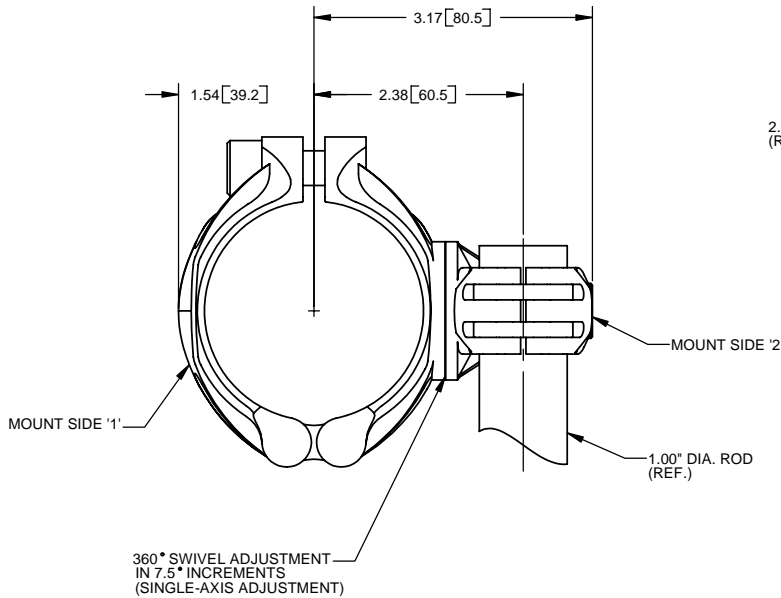
Poz-E-Lok™ Modular Tooling

2.50" to 1.00" Single Swivel Boom Mount

Z-HKNS Overall Dimensions



Z-HKNS SHOWN WITH 2.50" BOOM TUBING AND 1.00" BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

Z - H K N S

- Z — POZ-E-LOK SWIVEL BOOM MOUNT
- H — MOUNT SIDE '1' (H = CAP)
- K — MOUNT SIDE '2' (K = 2.5 SWIVEL MOUNT)
- N — SWIVEL BRACKET (NS = 1.0 INCH)
- S —

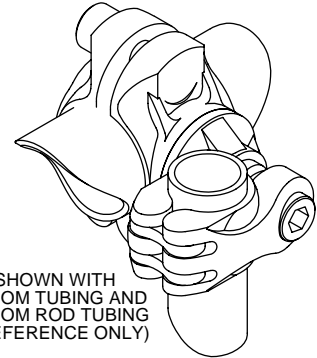
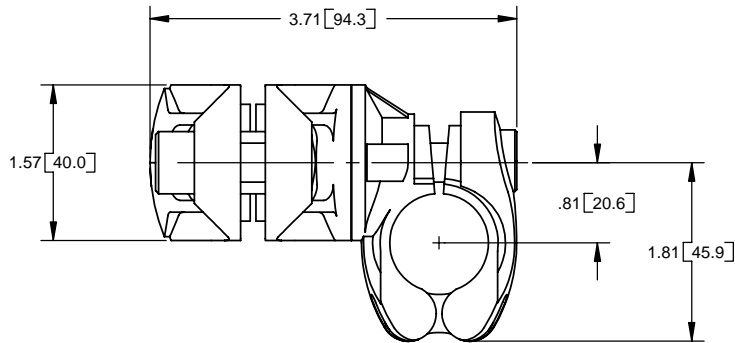
MATERIAL: 4041 CAST STEEL
WEIGHT: 2.0 LBS. (.9KG)

Poz-E-Lok™ Modular Tooling

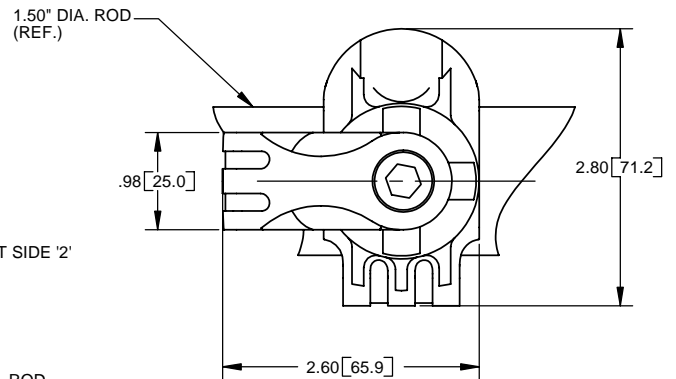
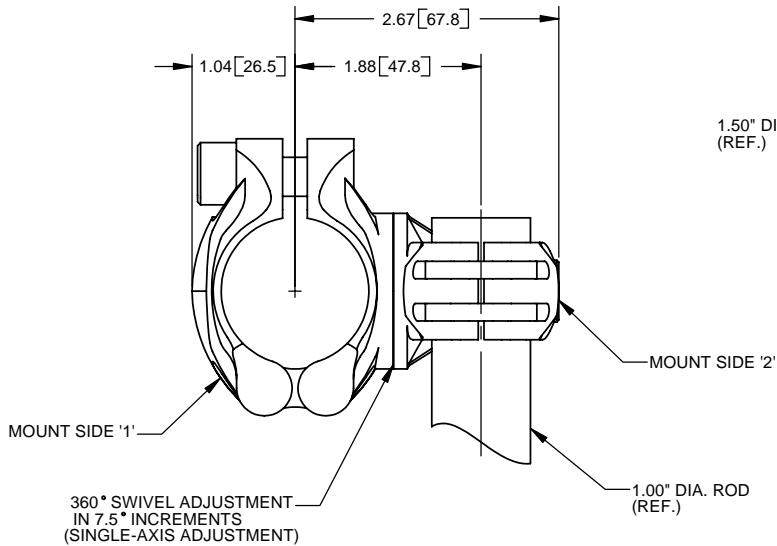
Poz-E-Lok™ Modular Tooling

1.50" to 1.00" Single Swivel Boom Mount

Z-JLNS Overall Dimensions

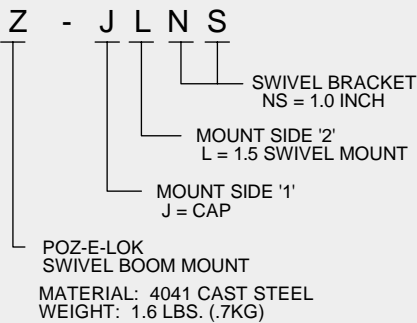


Z-JLNS SHOWN WITH 1.50" BOOM TUBING AND 1.00" BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

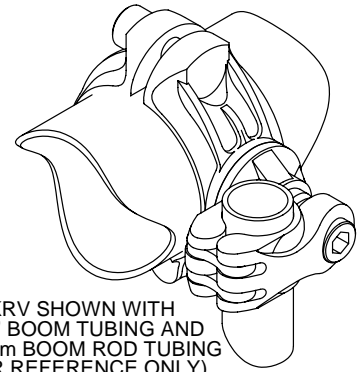
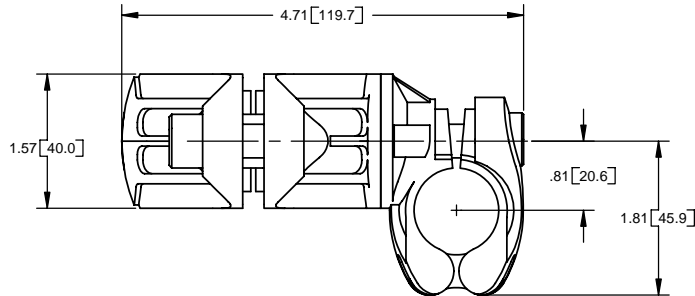
ORDERING INFORMATION



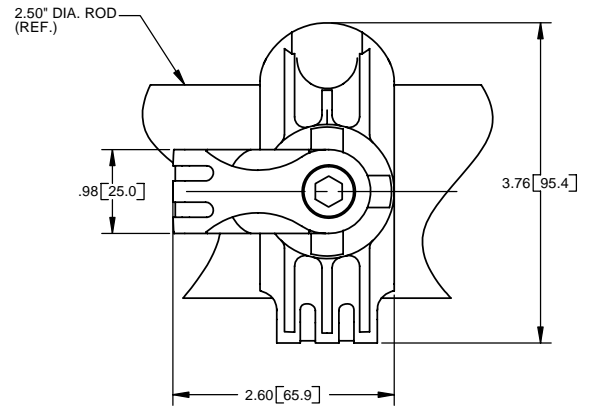
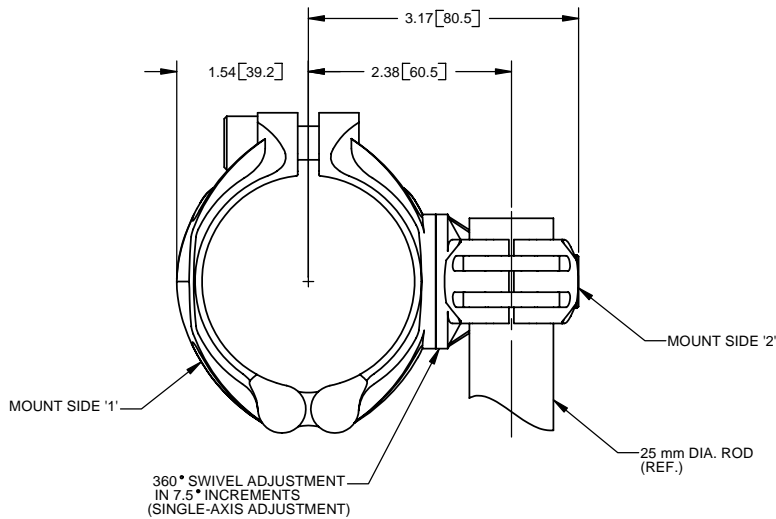
Poz-E-Lok™ Modular Tooling

2.50" to 25mm Single Swivel Boom Mount

Z-HKRV Overall Dimensions



Z-HKRV SHOWN WITH 2.50" BOOM TUBING AND 25 mm BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX

ORDERING INFORMATION

Z - H K R V

- Z - POZ-E-LOK SWIVEL BOOM MOUNT
- H - MOUNT SIDE '1' (H = CAP)
- K - MOUNT SIDE '2' (K = 2.5 SWIVEL MOUNT)
- R - SWIVEL BRACKET (RV = 25 MILLIMETER)
- V - SWIVEL BRACKET (RV = 25 MILLIMETER)

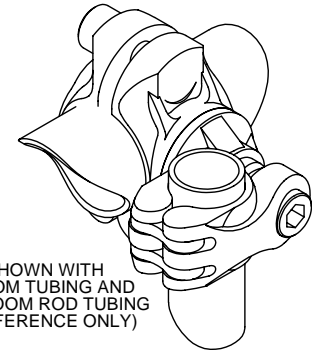
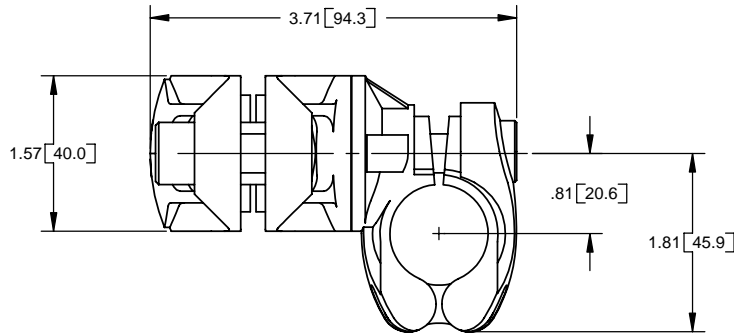
MATERIAL: 4041 CAST STEEL
WEIGHT: 2.0 LBS. (.9KG)

Poz-E-Lok™ Modular Tooling

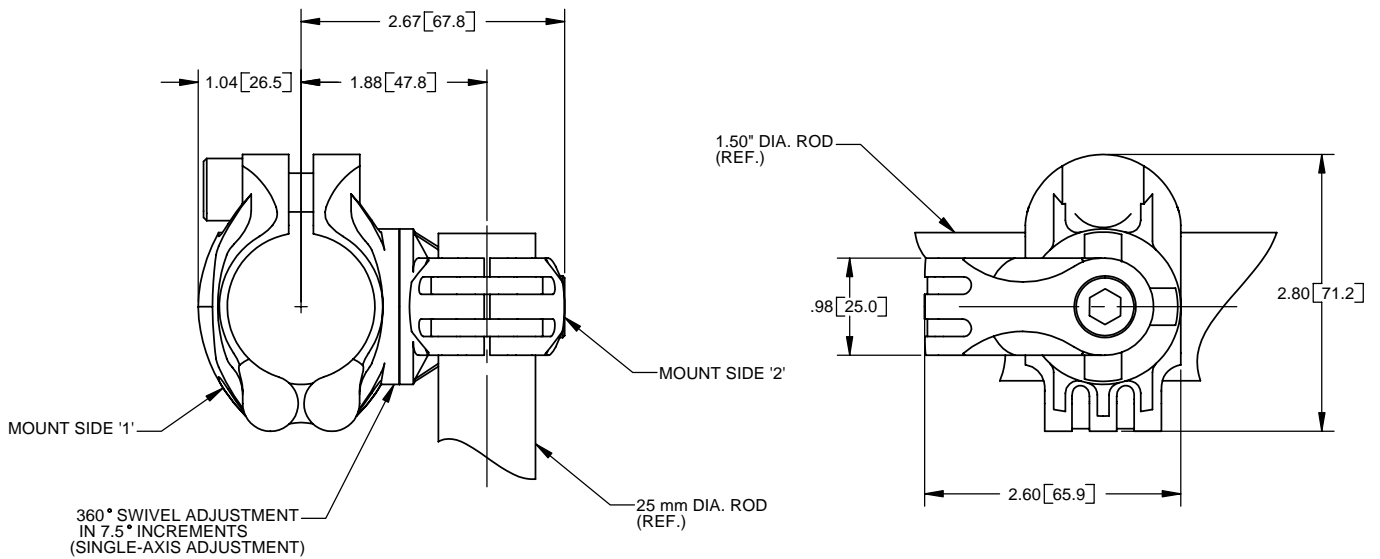
Poz-E-Lok™ Modular Tooling

1.50" to 25mm Single Swivel Boom Mount

Z-JLRV Overall Dimensions



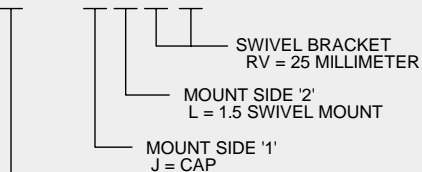
Z-JLRV SHOWN WITH 1.50" BOOM TUBING AND 25 mm BOOM ROD TUBING (FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

ORDERING INFORMATION

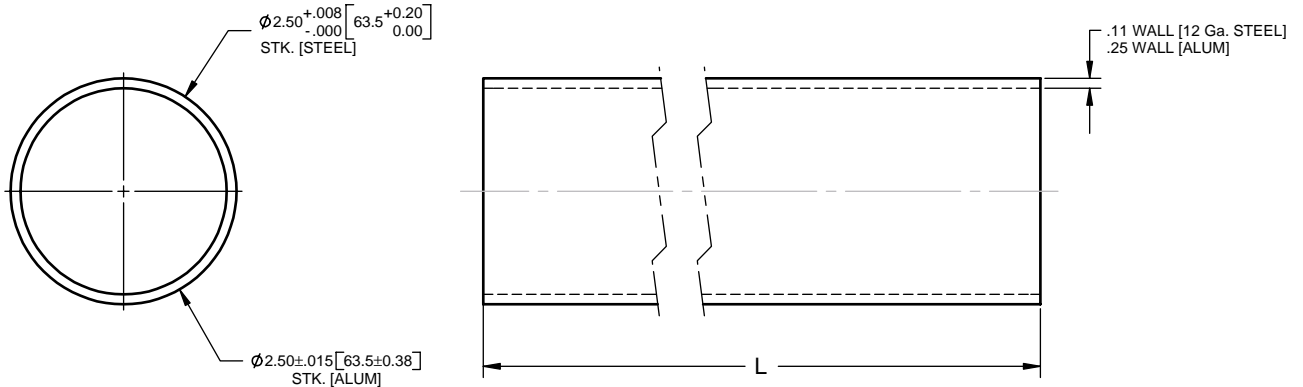
Z - JLRV



MATERIAL: 4041 CAST STEEL
WEIGHT: 1.6 LBS. (.7KG)

Poz-E-Lok™ Modular Tooling

2.50" Boom Tubing
Overall Dimensions



ORDERING INFORMATION

Z - 25-S-300

- Z - POZ-E-LOK BOOM TUBING
- 25 - $\phi 2.5"$ BOOM TUBING
- S - MATERIAL: S = STEEL, A = ALUMINUM
- 300 - TUBING LENGTH: 300 - 300mm TUBE, 600 - 600mm TUBE, 900 - 900mm TUBE, 1200 - 1200mm TUBE

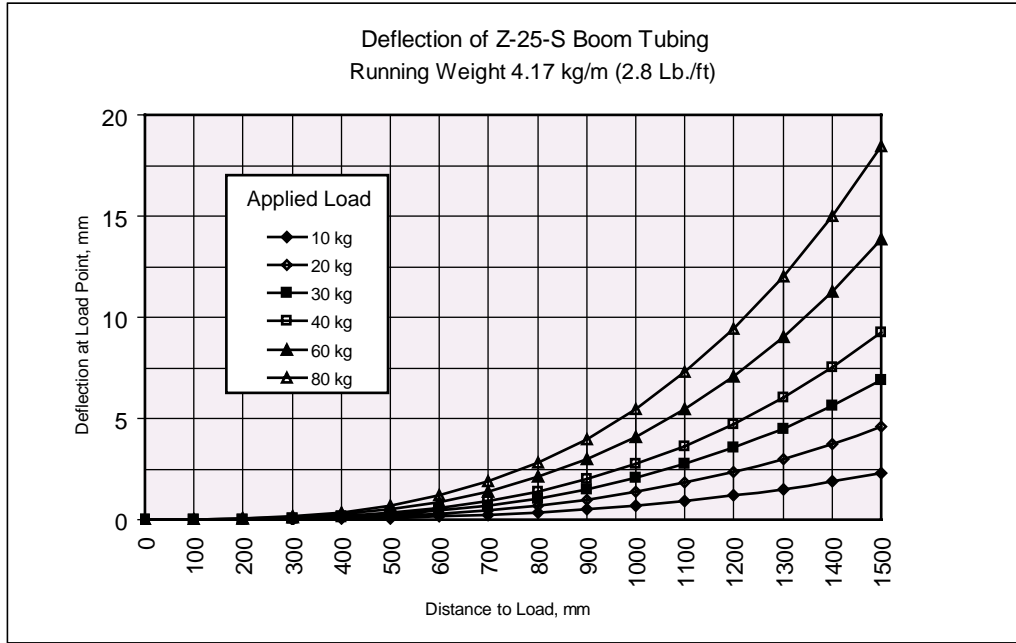
MATERIAL: STEEL/ALUMINUM
 WEIGHT: STEEL = 2.80 LBS/FT
 ALUMINUM = 2.07 LBS/FT

Poz-E-Lok™ Modular Tooling

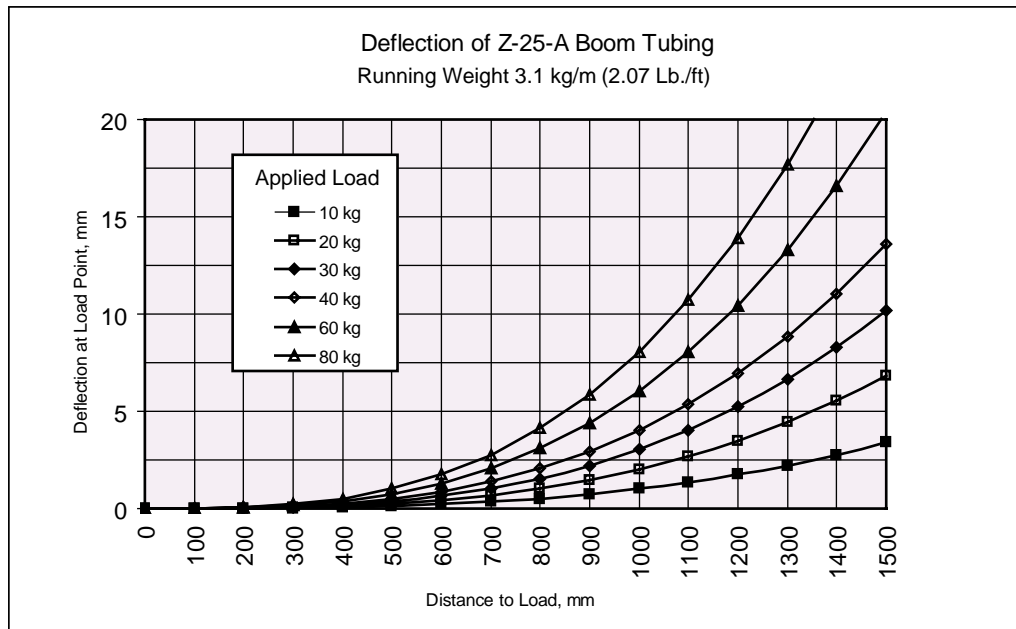
Poz-E-Lok™ Modular Tooling

2.50" Boom Tubing Deflection Charts

2.50 Inch Diameter Steel Tubing

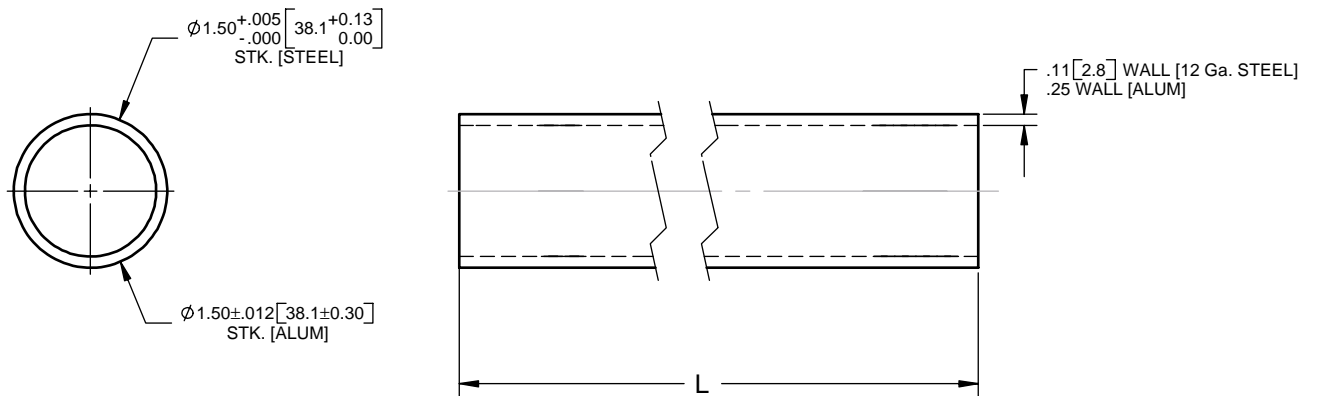


2.50 Inch Diameter Aluminum Tubing



Poz-E-Lok™ Modular Tooling

1.50" Boom Tubing
Overall Dimensions



ORDERING INFORMATION

Z - 15-S-200

Z - POZ-E-LOK BOOM TUBING

15 - TUBING LENGTH
 100 - 100mm ROD
 200 - 200mm ROD
 300 - 300mm ROD
 400 - 400mm ROD
 500 - 500mm ROD
 600 - 600mm ROD
 700 - 700mm ROD
 800 - 800mm ROD
 900 - 900mm ROD
 1000 - 1000mm ROD
 1100 - 1100mm ROD
 1200 - 1200mm ROD

S - MATERIAL
 S = STEEL
 A = ALUMINUM

200 - $\phi 1.5"$ BOOM TUBING

MATERIAL: STEEL/ALUMINUM
 WEIGHT: STEEL = 1.62 LBS/FT
 ALUMINUM = 1.15 LBS/FT

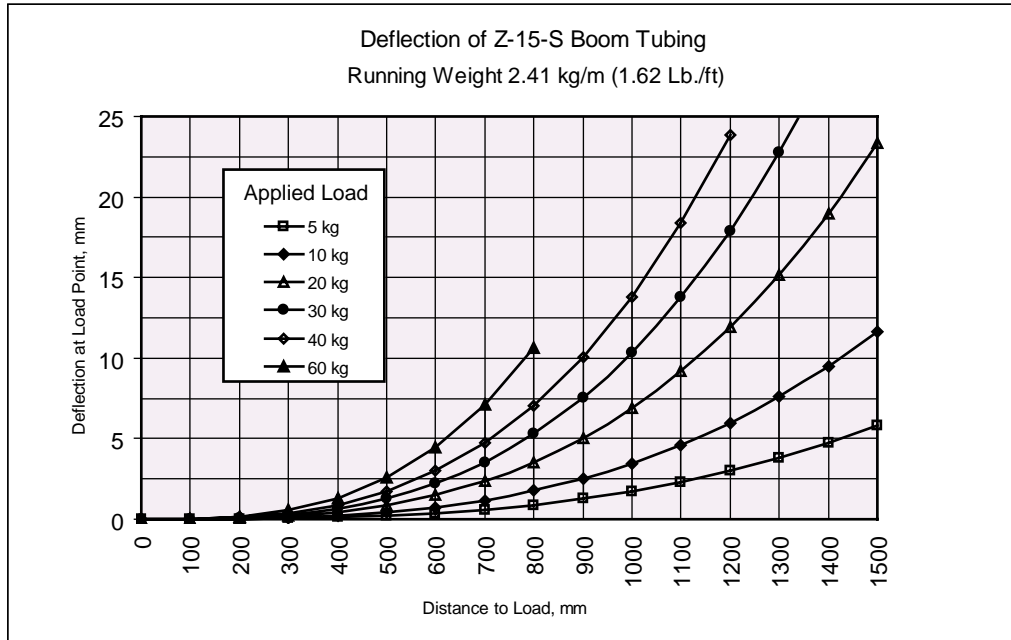
Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

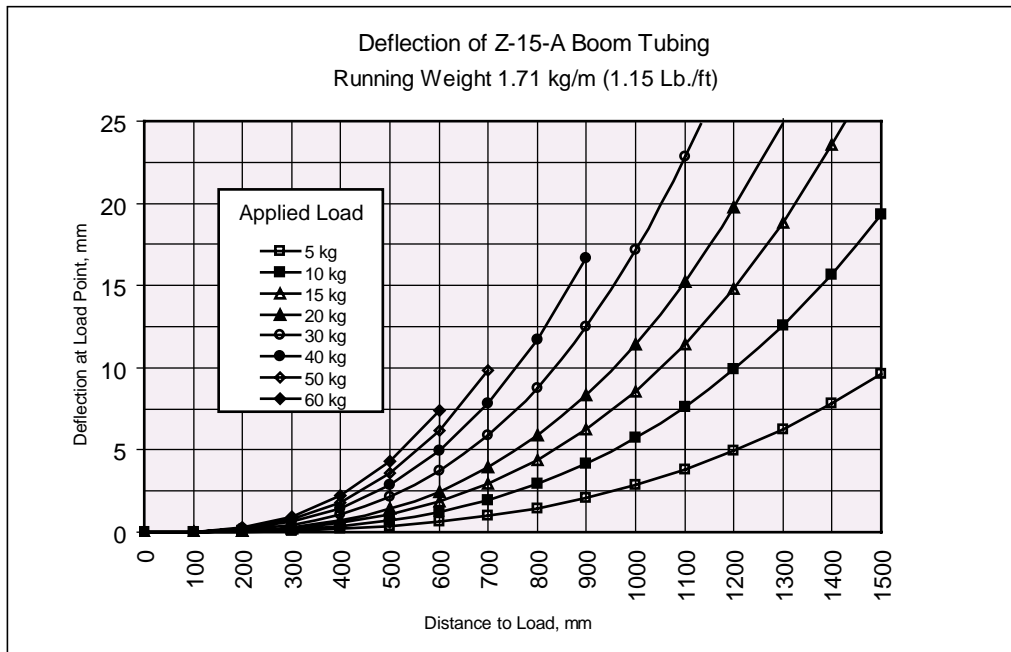
1.50" Boom Tubing

Deflection Charts

1.50 Inch Diameter Steel Tubing

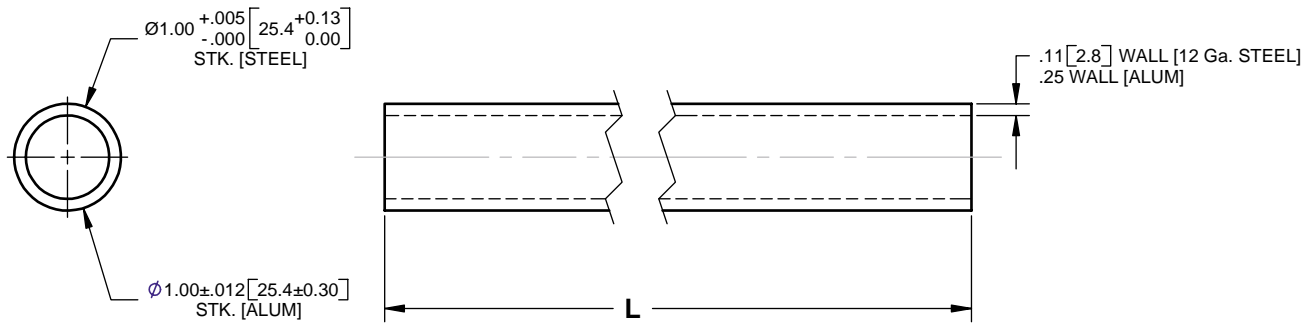


1.50 Inch Diameter Aluminum Tubing



Poz-E-Lok™ Modular Tooling

1.00" Boom Tubing
Overall Dimensions



ORDERING INFORMATION

Z - 10-S-200

Z - POZ-E-LOK BOOM TUBING

10 - TUBING LENGTH
 75 - 75mm ROD
 100 - 100mm ROD
 150 - 150mm ROD
 200 - 200mm ROD
 250 - 250mm ROD
 300 - 300mm ROD
 350 - 350mm ROD
 400 - 400mm ROD
 450 - 450mm ROD
 500 - 500mm ROD
 550 - 550mm ROD
 600 - 600mm ROD
 650 - 650mm ROD
 700 - 700mm ROD
 750 - 750mm ROD
 800 - 800mm ROD
 850 - 850mm ROD
 900 - 900mm ROD

S - MATERIAL
 S = STEEL
 A = ALUMINUM

200 - $\phi 1.00$ " BOOM TUBING

MATERIAL: STEEL/ALUMINUM
 WEIGHT: STEEL = 1.04 LBS/FT
 ALUMINUM = 0.69 LBS/FT

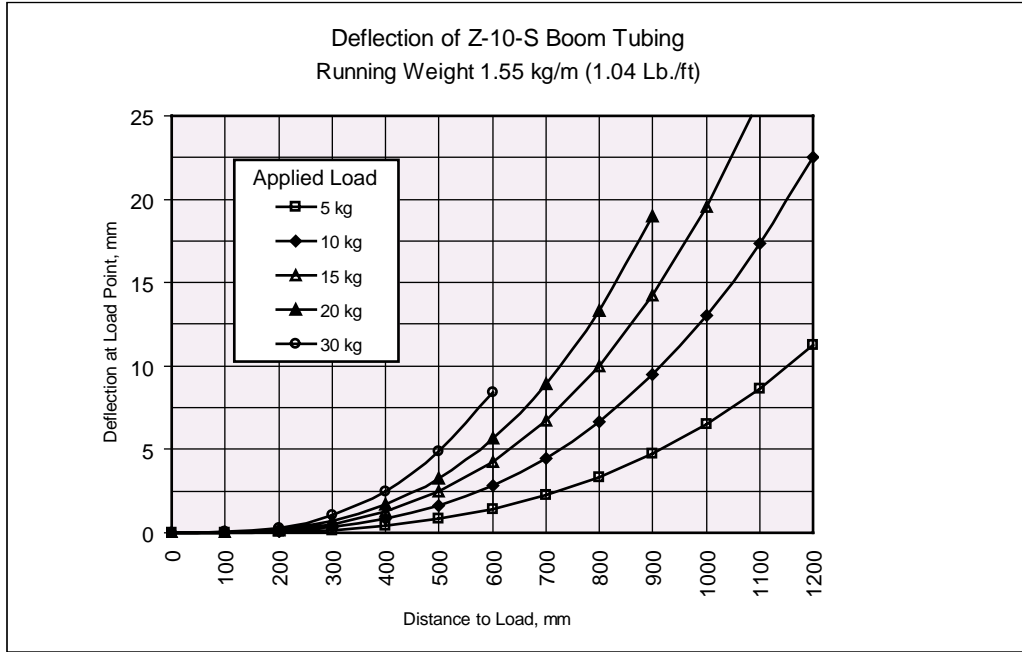
Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

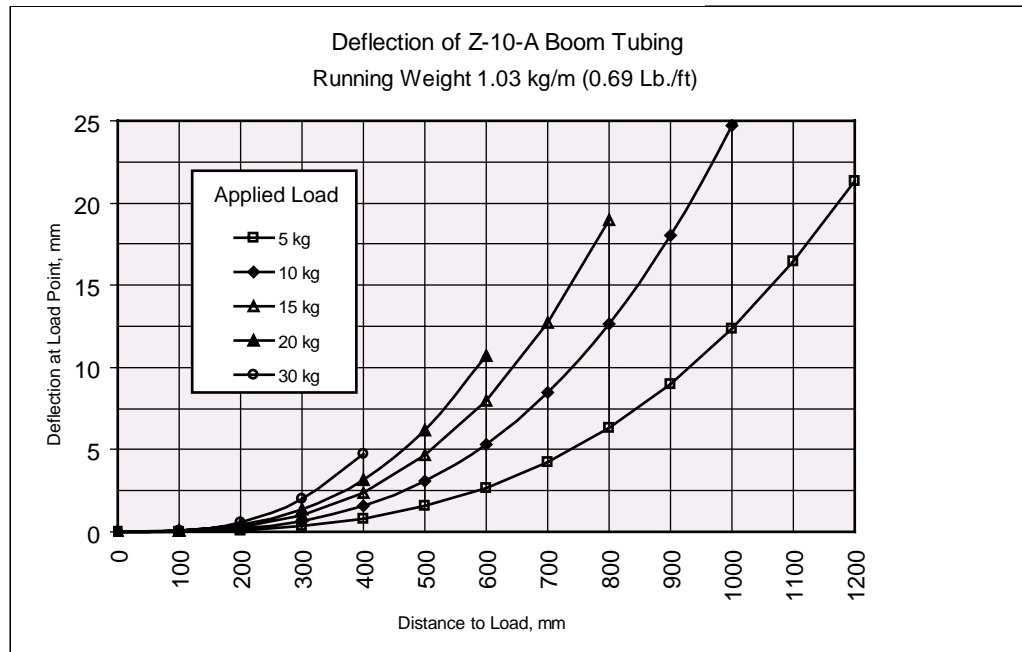
1.00" Boom Tubing

Deflection Charts

1.00 Inch Diameter Steel Tubing



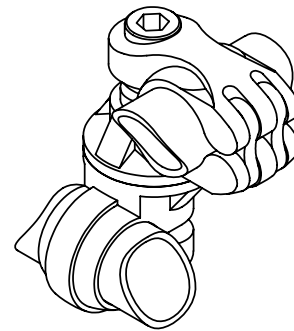
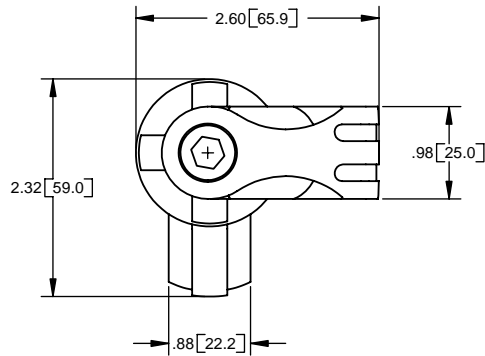
1.00 Inch Diameter Aluminum Tubing



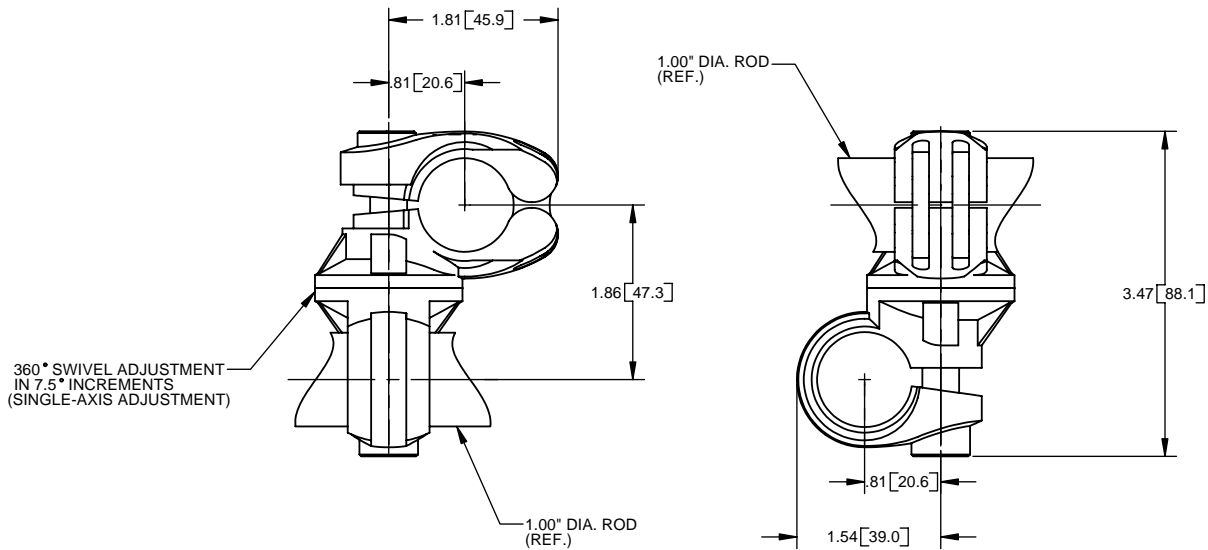
Poz-E-Lok™ Modular Tooling

1.00" to 1.00" Swivel Bracket

Z-NSW Overall Dimensions

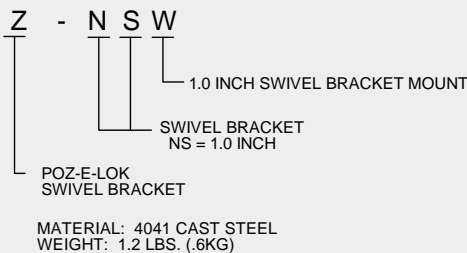


Z-NSW SHOWN WITH
1.00" BOOM ROD TUBING
(FOR REFERENCE ONLY)



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

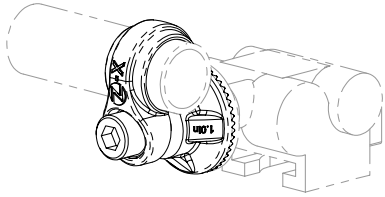
ORDERING INFORMATION



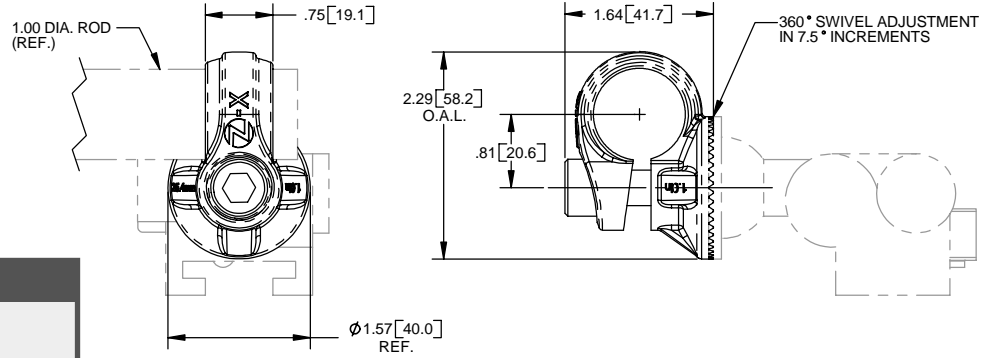
Poz-E-Lok™ Modular Tooling

Swivel Bracket Adaptor

Z-X Overall Dimensions



Z-X SHOWN WITH
1.00" BOOM ROD TUBING
Z-SUCM SWIVEL UNIVERSAL CUP MOUNT
(FOR REFERENCE ONLY)



ORDERING INFORMATION

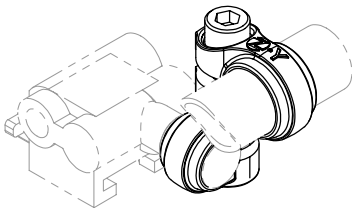
Z - X

SWIVEL VENTURI ADAPTER
POZ-E-LOK

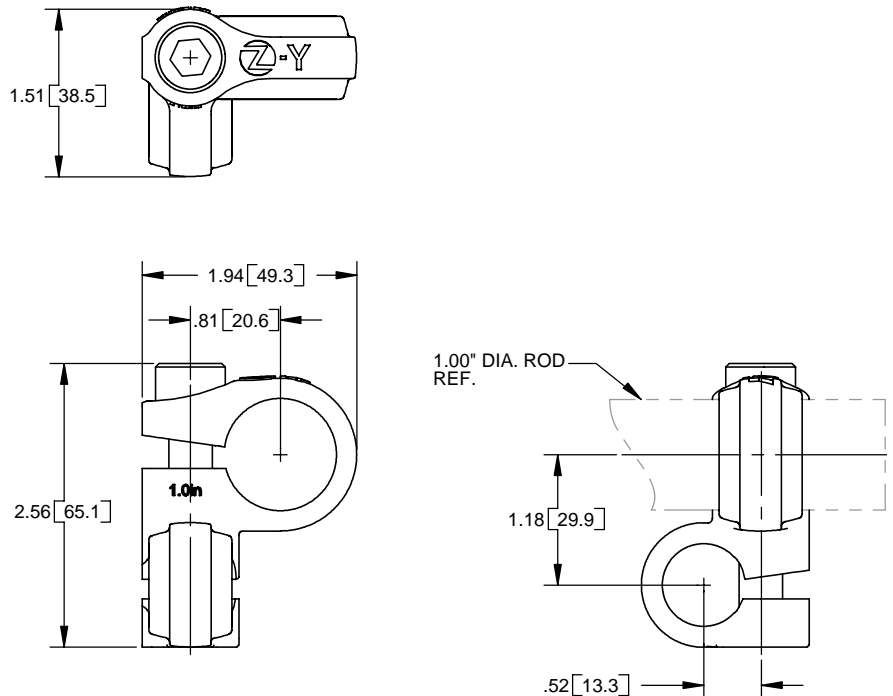
MATERIAL: 4041 CAST STEEL
WEIGHT: 0.34 LBS \ .75 KG.

Core Bracket Adaptor

Z-Y Overall Dimensions



Z-Y SHOWN WITH
1.00" BOOM TUBING AND
Z-CUCM CUP MOUNT
(FOR REFERENCE ONLY)



ORDERING INFORMATION

Z - Y

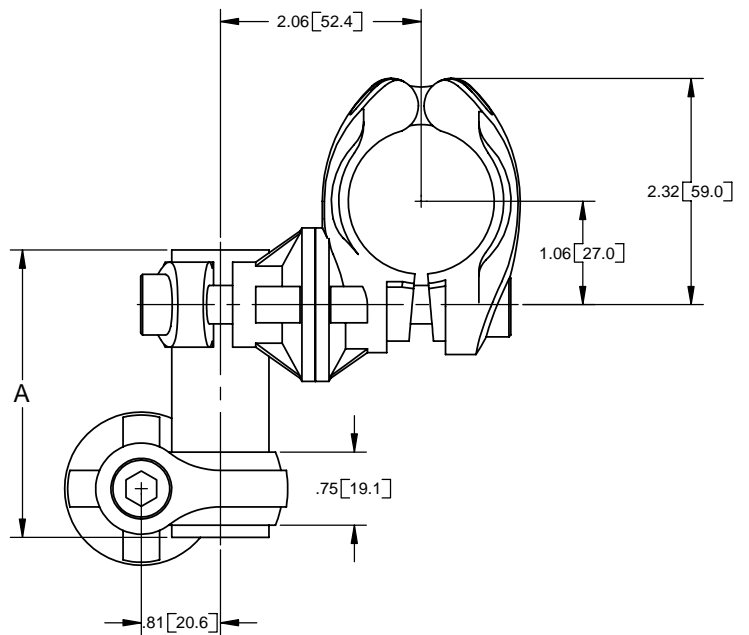
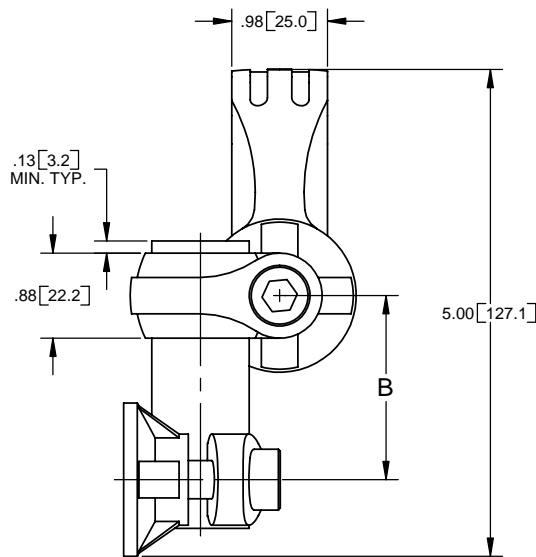
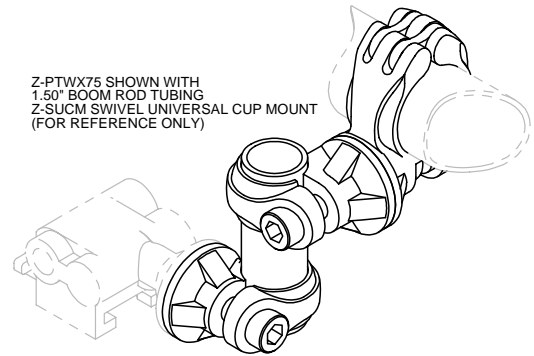
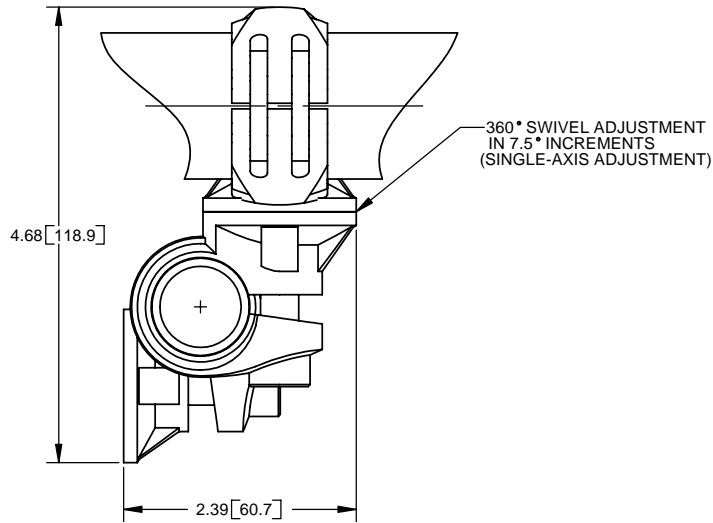
CORE VENTURI ADAPTER
POZ-E-LOK
SWIVEL MOUNT

MATERIAL: 4041 CAST STEEL
WEIGHT: .46 LBS. (.21 KG)

Poz-E-Lok™ Modular Tooling

1.50" Swivel Bracket Arm

Z-PTWXxxx Overall Dimensions



ORDERING INFORMATION

Z - P T W X 75

- Z - POZ-E-LOK SWIVEL BRACKET
- P - SWIVEL BRACKET (PT = 1.5 INCH)
- T - VENTURI ADAPTER (X = SWIVEL ADAPTER)
- W - 1.0 INCH SWIVEL BRACKET MOUNT
- X - SWIVEL ADAPTER
- 75 - ROD LENGTH (ADJUSTMENT)
 - 75 = 75mm (3")
 - 100 = 100mm (4")
 - 150 = 150mm (6")
 - 200 = 200mm (8")
 - 250 = 250mm (10")
 - 300 = 300mm (12")

NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

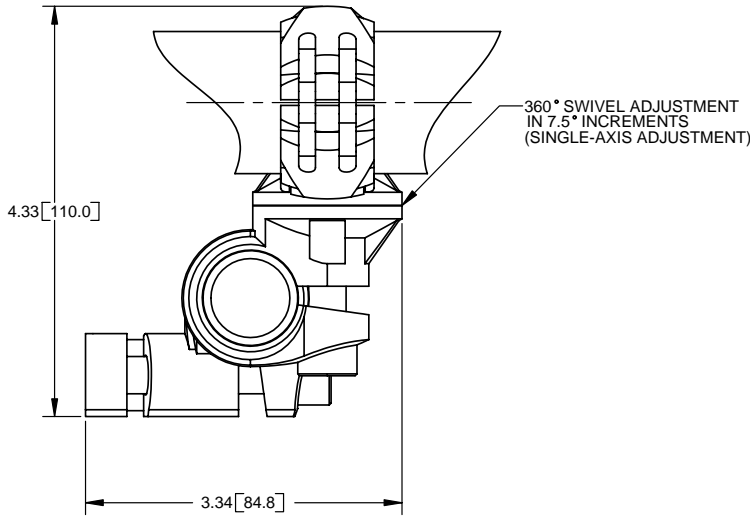
PART No.	A [mm]	B Min [mm]	B Max [mm]	WEIGHT LBS [KG.]
Z-PTWX75	75	20.6	40.0	1.9 [0.86]
Z-PTWX100	100	20.6	73.0	2.0 [0.91]
Z-PTWX150	150	20.6	123.0	2.1 [0.95]
Z-PTWX200	200	20.6	173.0	2.2 [0.99]
Z-PTWX250	250	20.6	223.0	2.3 [1.04]
Z-PTWX300	300	20.6	273.0	2.4 [1.09]

Poz-E-Lok™ Modular Tooling

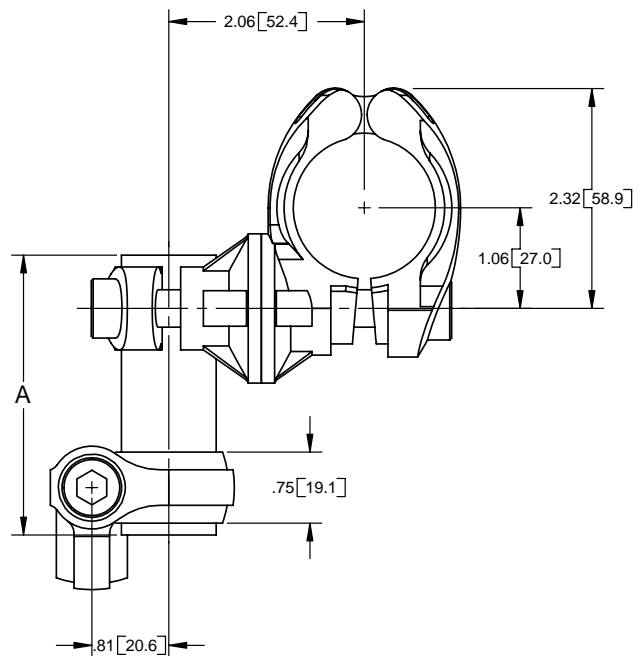
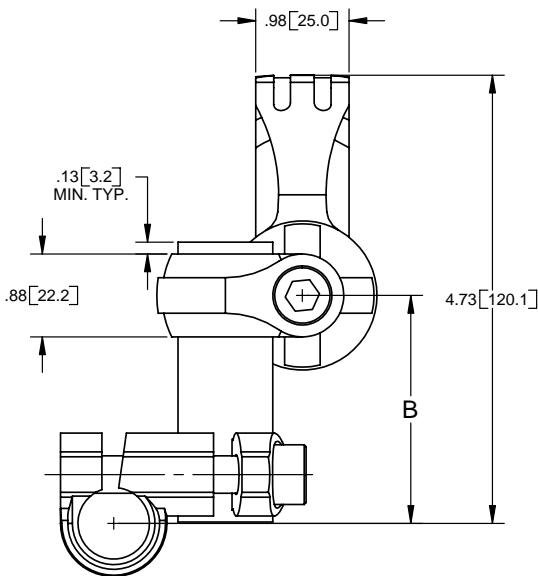
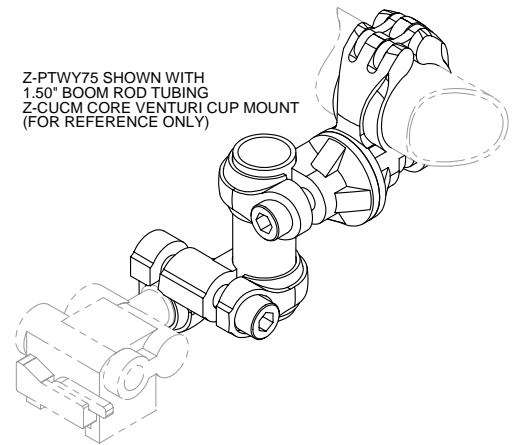
Poz-E-Lok™ Modular Tooling

1.50" Core Bracket Arm

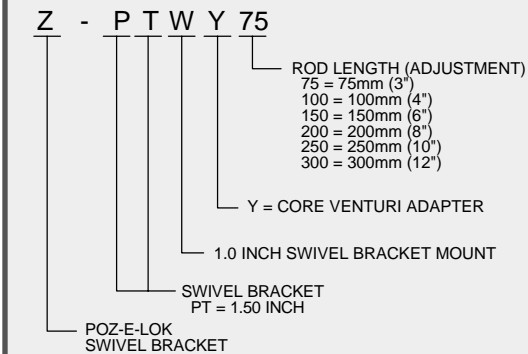
Z-PTWYxxx Overall Dimensions



Z-PTWY75 SHOWN WITH
1.50" BOOM ROD TUBING
Z-CUCM CORE VENTURI CUP MOUNT
(FOR REFERENCE ONLY)



ORDERING INFORMATION



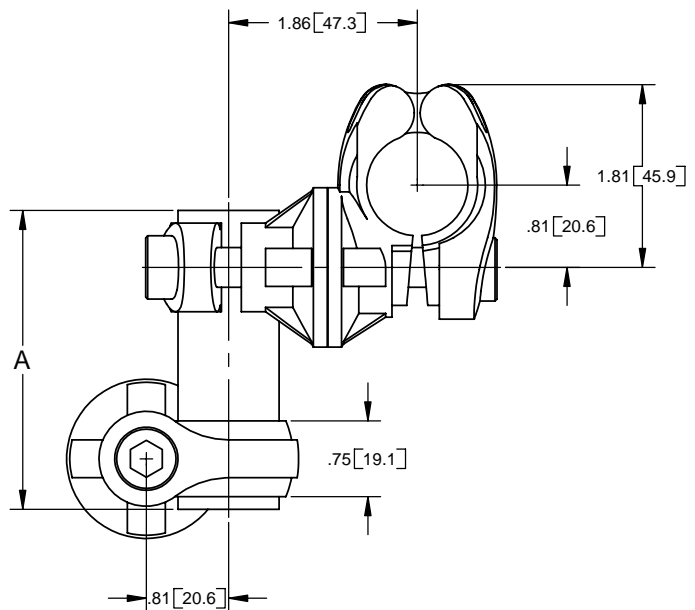
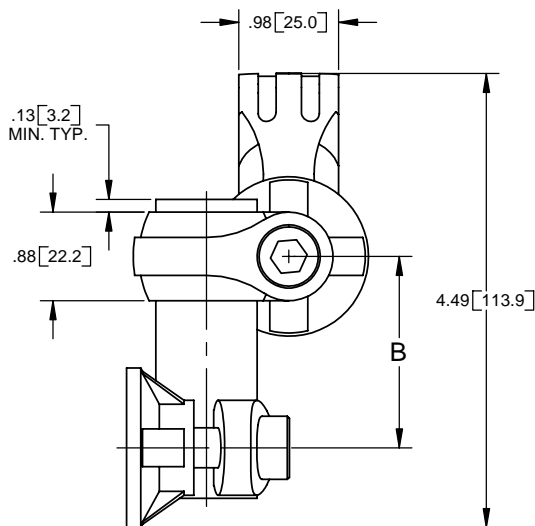
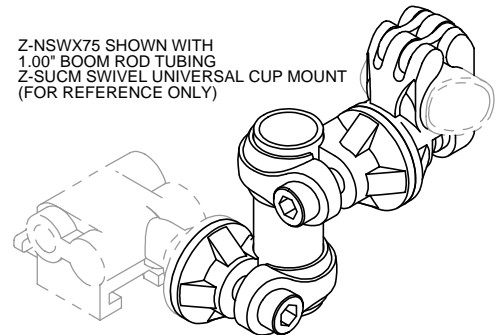
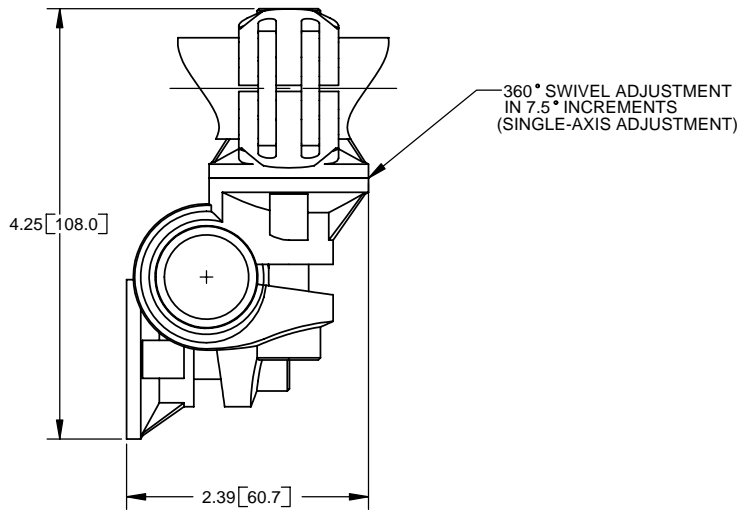
NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

PART No.	A [mm]	B Min [mm]	B Max [mm]	WEIGHT LB S [KG.]
Z-PTWY75	75	33.7	61.1	1.9 [0.86]
Z-PTWY100	100	33.7	86.1	2.0 [0.91]
Z-PTWY150	150	33.7	136.1	2.1 [0.95]
Z-PTWY200	200	33.7	186.1	2.3 [1.05]
Z-PTWY250	250	33.7	236.1	2.4 [1.10]
Z-PTWY300	300	33.7	286.1	2.6 [1.18]

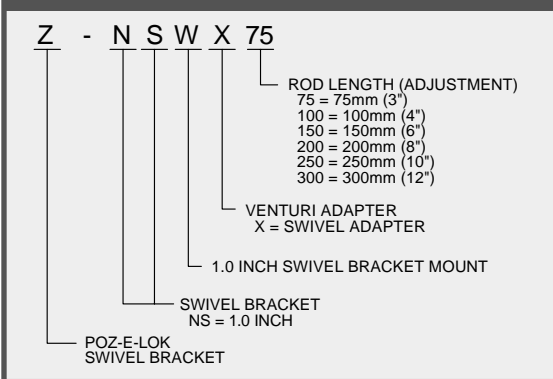
Poz-E-Lok™ Modular Tooling

1.00" Swivel Bracket Arm

Z-NSWXxxx Overall Dimensions



ORDERING INFORMATION



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

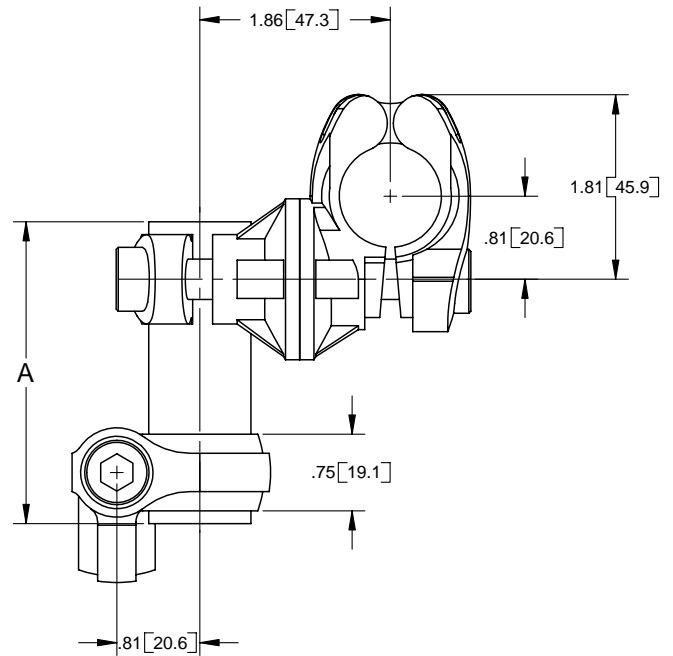
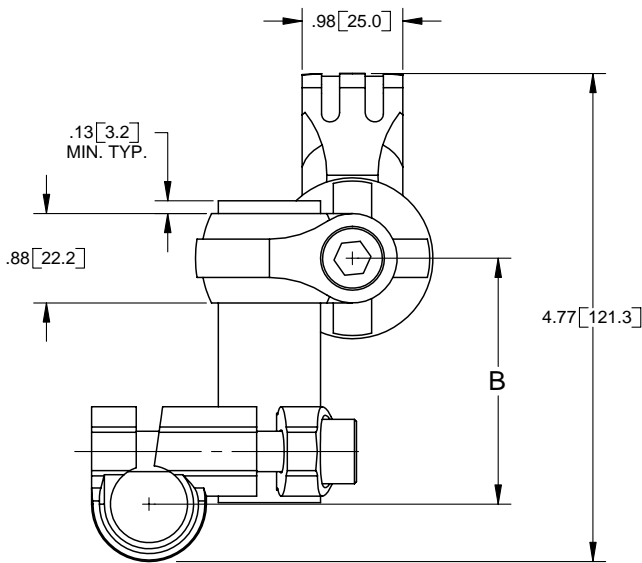
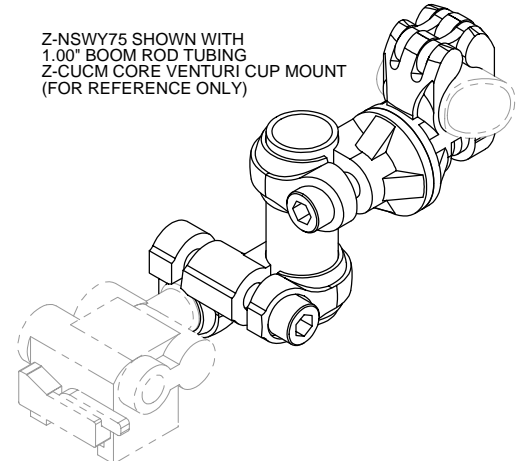
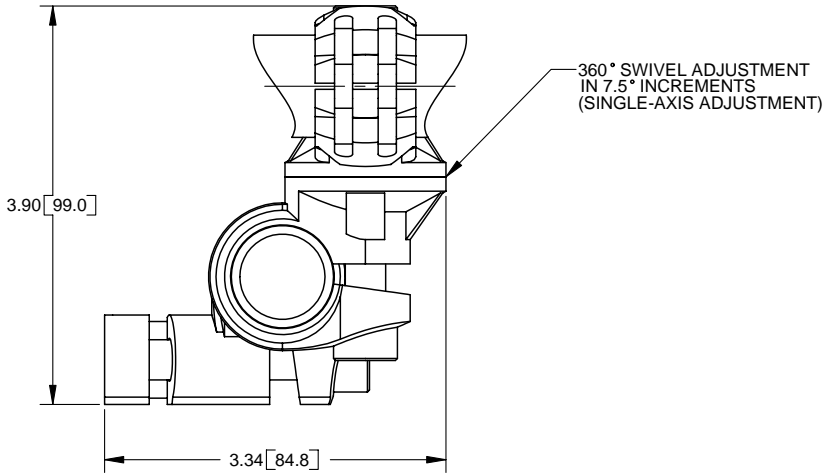
PART No.	A [mm]	B Min [mm]	B Max [mm]	WEIGHT LBS [KG.]
Z-NSWX75	75	20.6	40.0	1.7 [0.78]
Z-NSWX100	100	20.6	73.0	1.8 [0.82]
Z-NSWX150	150	20.6	123.0	1.9 [0.86]
Z-NSWX200	200	20.6	173.0	2.0 [0.91]
Z-NSWX250	250	20.6	223.0	2.1 [0.95]
Z-NSWX300	300	20.6	273.0	2.2 [1.0]

Poz-E-Lok™ Modular Tooling

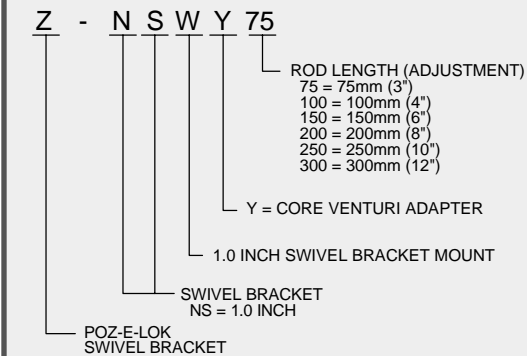
Poz-E-Lok™ Modular Tooling

1.00" Core Bracket Arm

Z-NSWYxxx Overall Dimensions



ORDERING INFORMATION



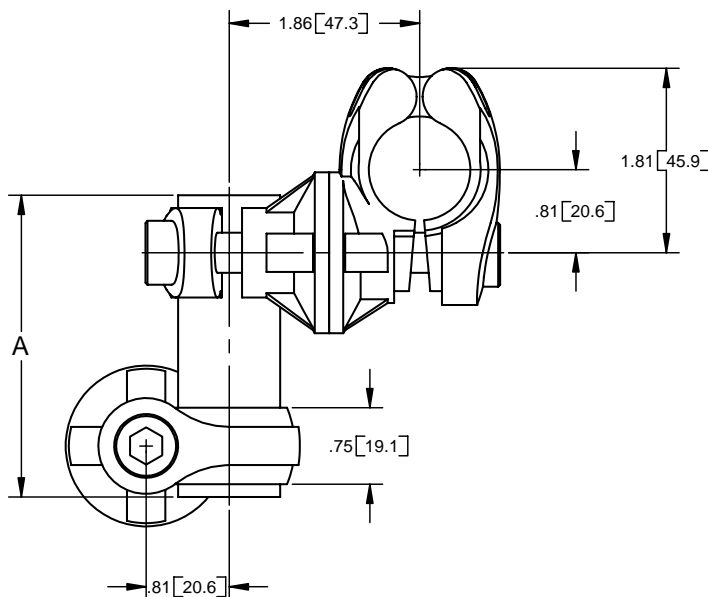
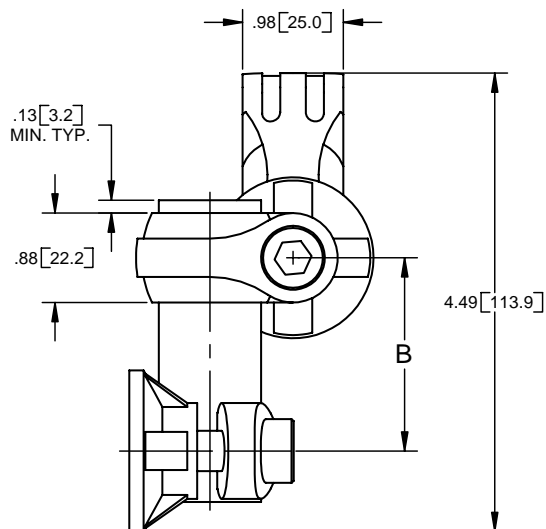
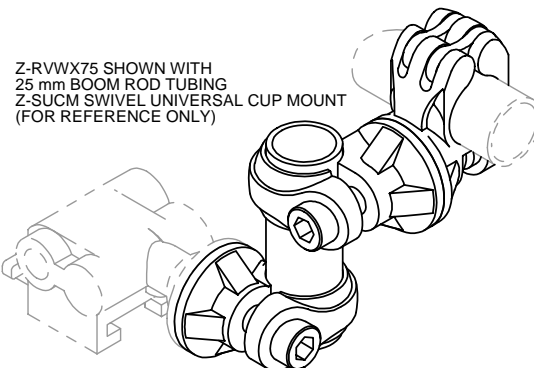
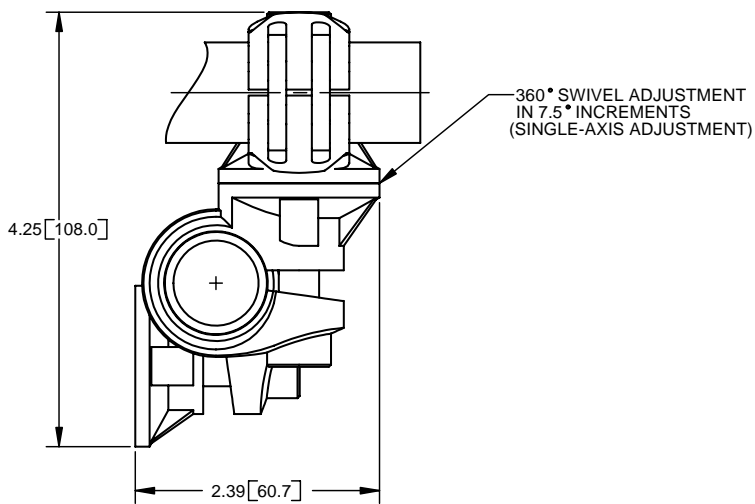
NOTE: ALL FASTENERS ARE M10
 TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
 57 FT-LBS (77 N-m) MAX.

PART No.	A [mm]	B Min [mm]	B Max [mm]	WEIGHT LBS [KG.]
Z-NSWY75	75	33.7	61.1	1.7 [0.78]
Z-NSWY100	100	33.7	86.1	1.8 [0.82]
Z-NSWY150	150	33.7	136.1	1.9 [0.86]
Z-NSWY200	200	33.7	186.1	2.1 [0.95]
Z-NSWY250	250	33.7	236.1	2.2 [1.00]
Z-NSWY300	300	33.7	286.1	2.3 [1.05]

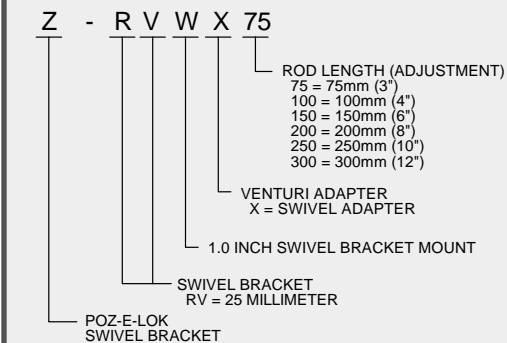
Poz-E-Lok™ Modular Tooling

25mm Swivel Bracket Arm

Z-RVWxxx Overall Dimensions



ORDERING INFORMATION



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

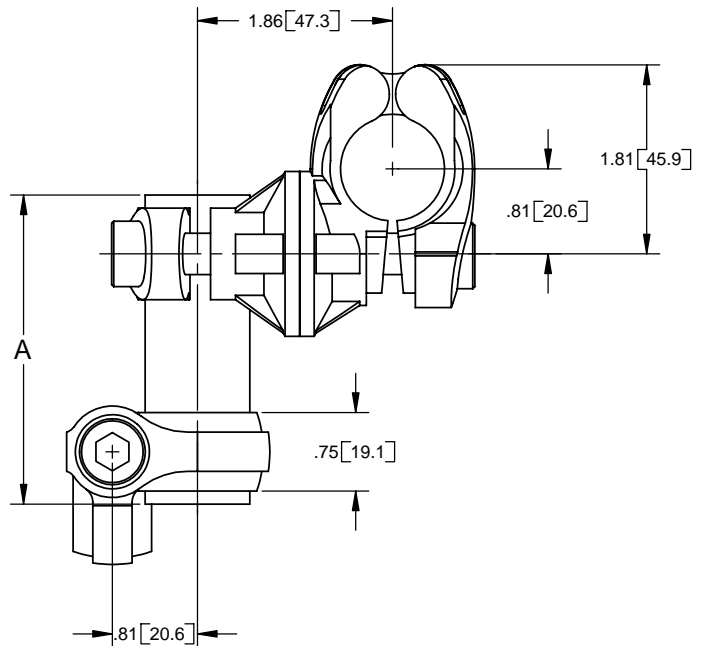
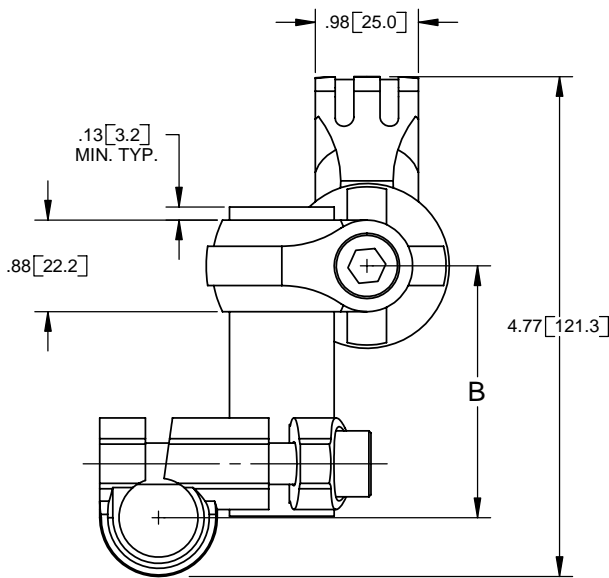
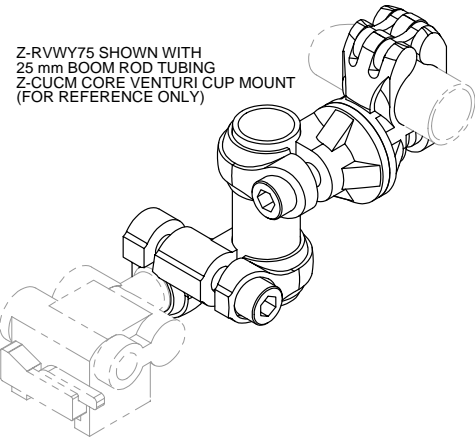
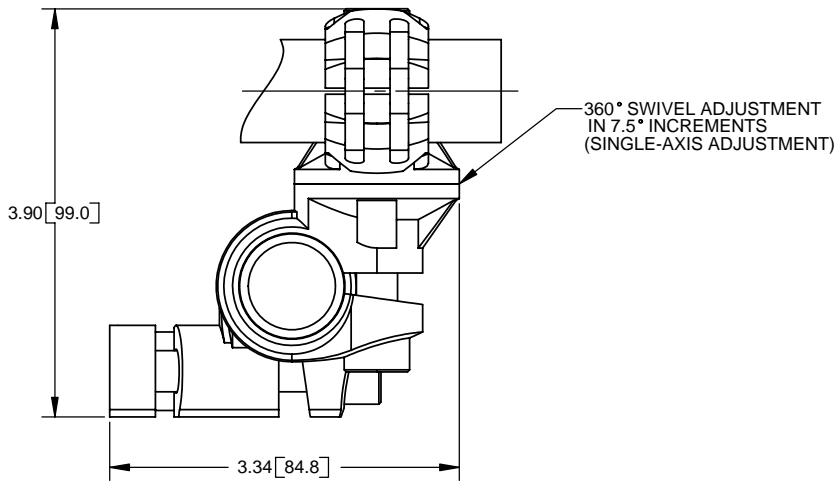
PART No.	A [mm]	B Min [mm]	B Max [mm]	WEIGHT LBS[KG.]
Z-RVWX75	75	20.6	40.0	1.7 [0.78]
Z-RVWX100	100	20.6	73.0	1.8 [0.82]
Z-RVWX150	150	20.6	123.0	1.9 [0.86]
Z-RVWX200	200	20.6	173.0	2.0 [0.91]
Z-RVWX250	250	20.6	223.0	2.1 [0.95]
Z-RVWX300	300	20.6	273.0	2.2 [1.0]

Poz-E-Lok™ Modular Tooling

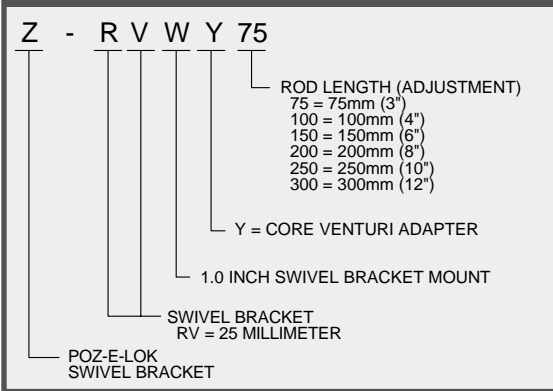
Poz-E-Lok™ Modular Tooling

25mm Core Bracket Arm

Z-RVWYxxx Overall Dimensions



ORDERING INFORMATION



NOTE: ALL FASTENERS ARE M10
TORQUE ALL FASTENERS TO 40 FT-LBS (54 N-m) REQUIRED
57 FT-LBS (77 N-m) MAX.

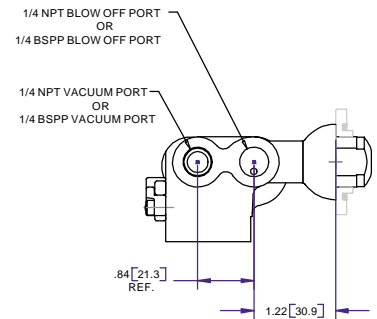
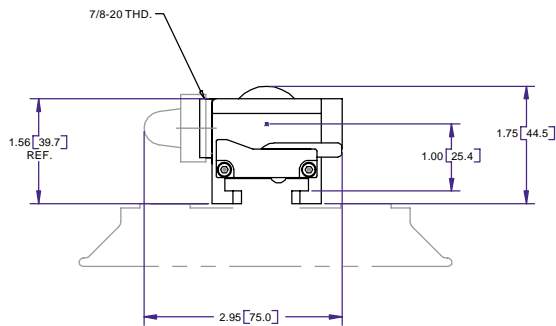
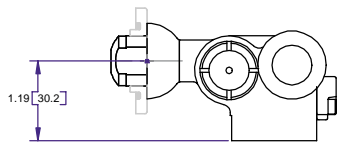
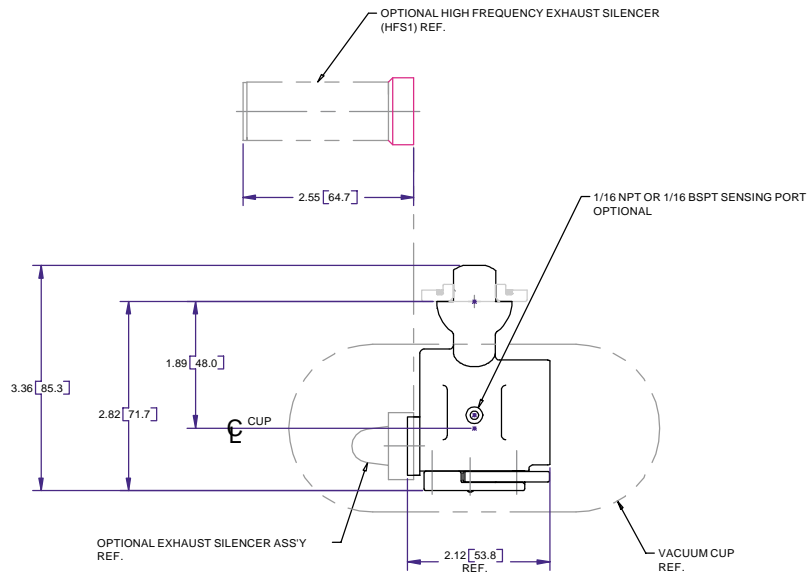
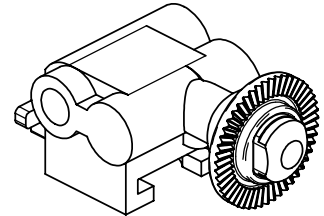
PART No.	A [mm]	B Min [mm]	B Max [mm]	WEIGHT LBS[KG.]
Z-RVWY75	75	33.7	61.1	1.7 [0.78]
Z-RVWY100	100	33.7	86.1	1.8 [0.82]
Z-RVWY150	150	33.7	136.1	1.9 [0.86]
Z-RVWY200	200	33.7	186.1	2.1 [0.95]
Z-RVWY250	250	33.7	236.1	2.2 [1.00]
Z-RVWY300	300	33.7	286.1	2.3 [1.05]

Poz-E-Lok™ Modular Tooling

Swivel Venturi Cup Mount

Z-SVCMB-x-x-x Overall Dimensions

(See page 43 for ordering information.)

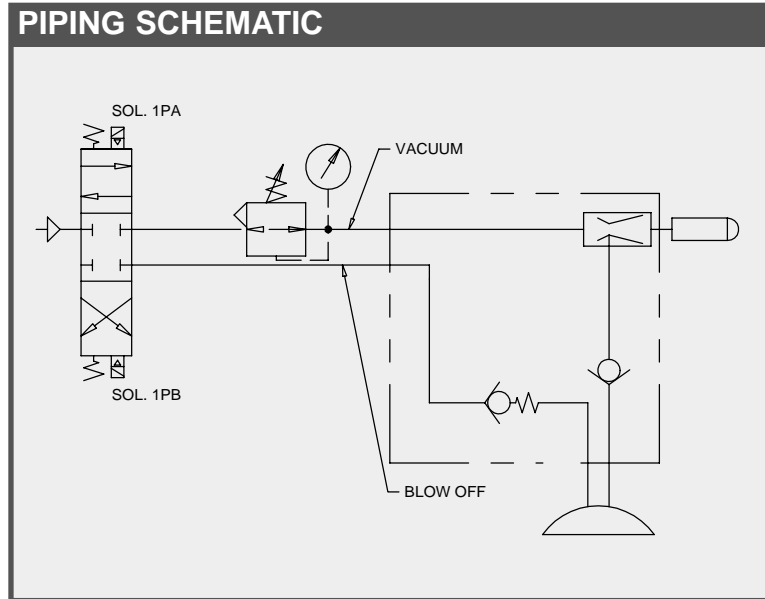


Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

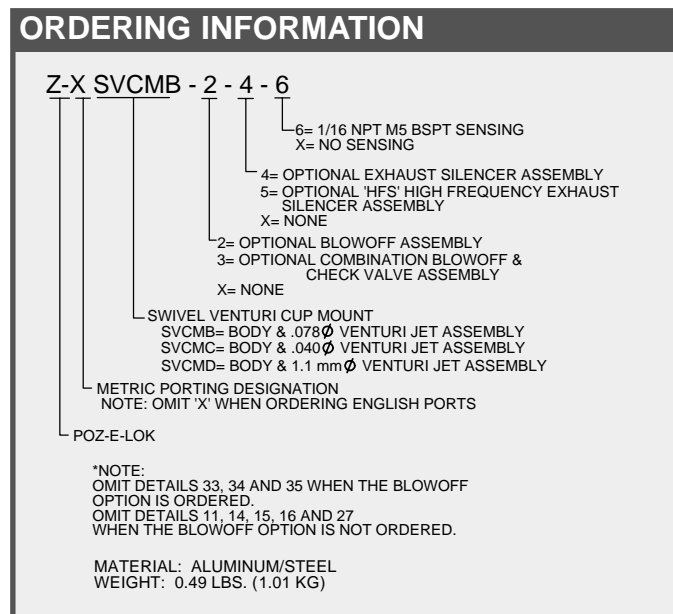
Swivel Venturi Cup Mount

Z-SVCMB-x-x-x Piping Schematic



Swivel Venturi Cup Mount

Z-SVCMB Ordering Information

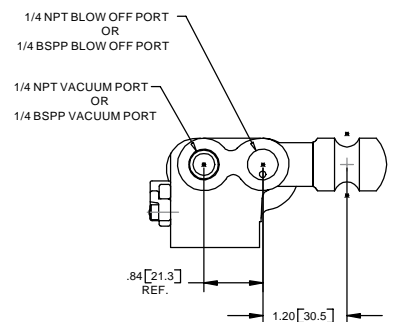
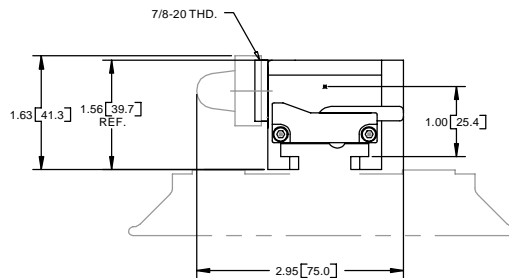
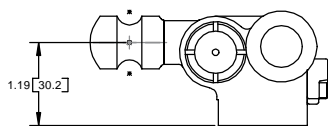
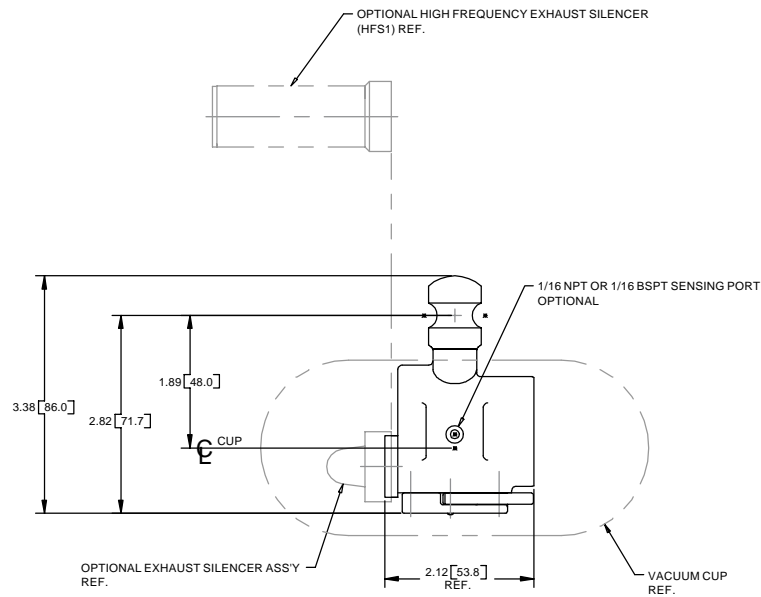
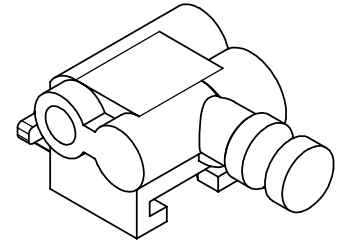


Poz-E-Lok™ Modular Tooling

Core Venturi Cup Mount

Z-CVCMB-x-x-x Overall Dimensions

(See page 45 for ordering information.)

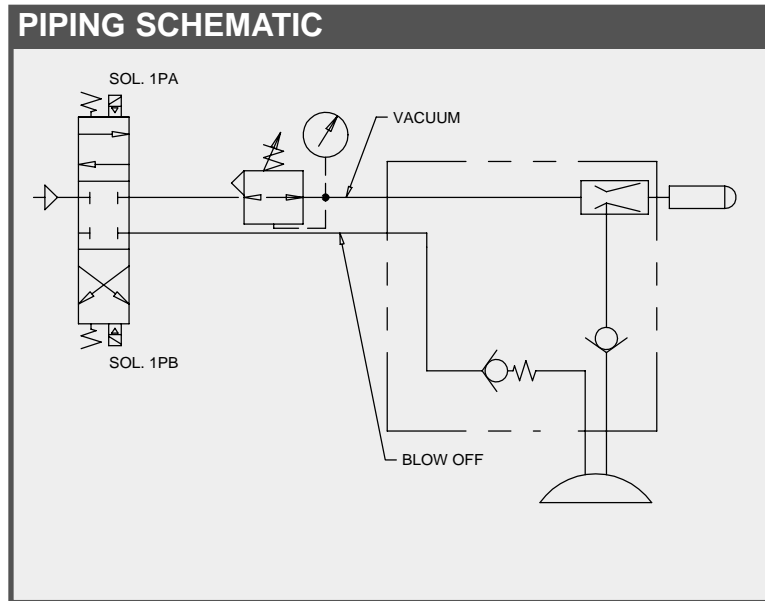


Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

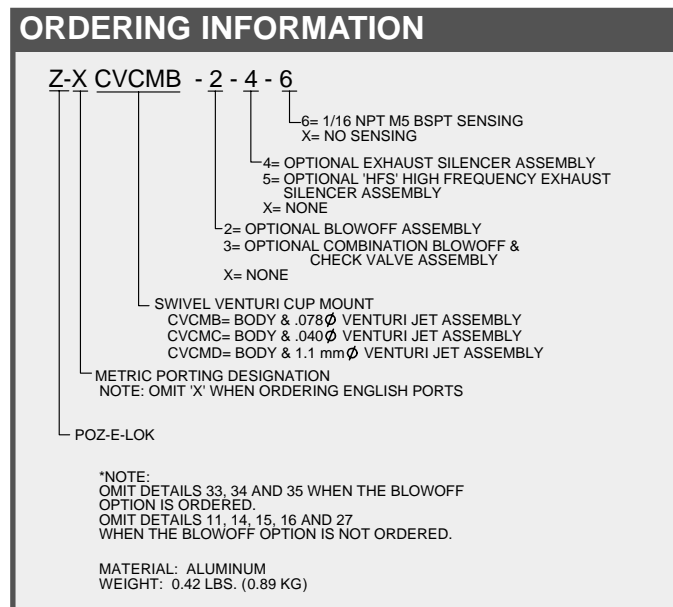
Core Venturi Cup Mount

Z-CVCMB-x-x-x Piping Schematic



Core Venturi Cup Mount

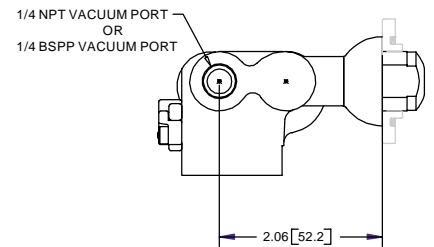
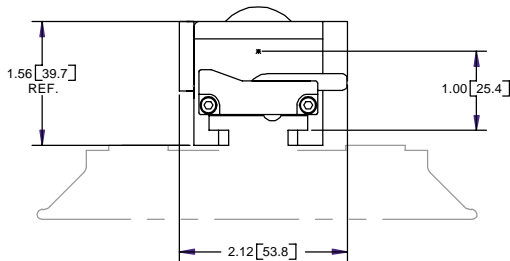
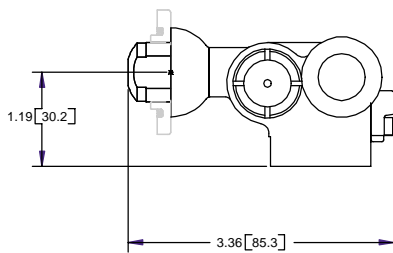
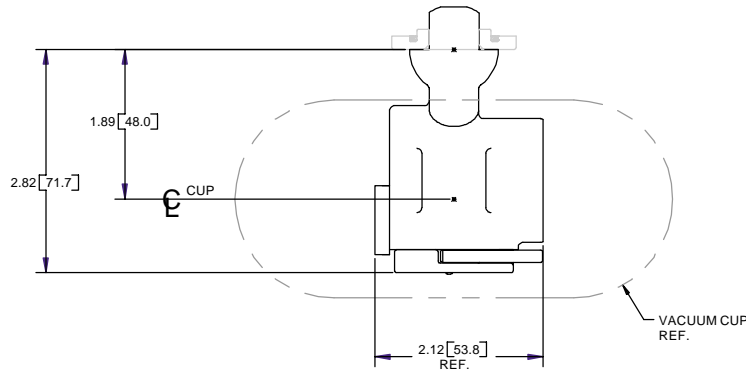
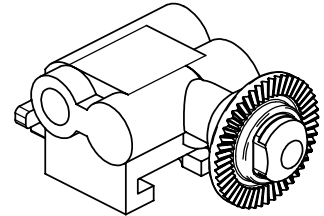
Z-CVCMB-x-x-x Ordering Information



Poz-E-Lok™ Modular Tooling

Swivel Universal Cup Mount

Z-SUCM Overall Dimensions



ORDERING INFORMATION

Z-X SUCM

- SWIVEL UNIVERSAL CUP MOUNT
(NOTE: OMIT 'X' WHEN ORDERING ENGLISH PORTS)
- METRIC PORTING DESIGNATION
(NOTE: OMIT 'X' WHEN ORDERING ENGLISH PORTS)
- POZ-E-LOK

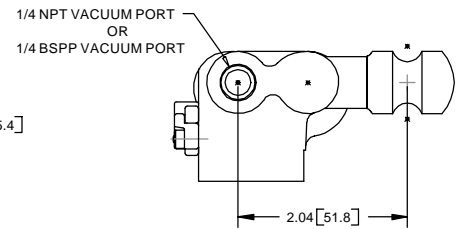
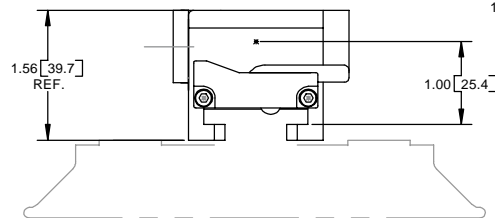
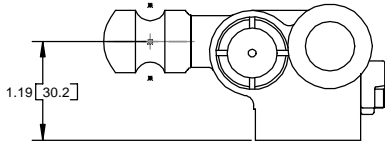
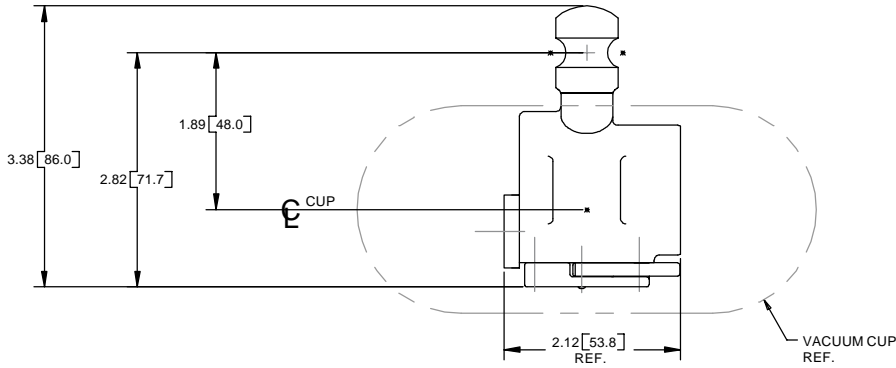
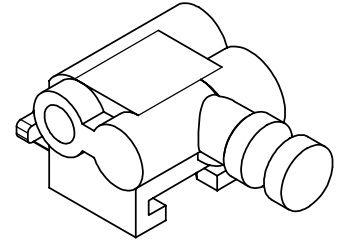
MATERIAL: ALUMINUM/STEEL
WEIGHT: 0.49 LBS. (1.01 KG)

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

Core Universal Cup Mount

Z-CUCM Overall Dimensions



ORDERING INFORMATION

Z-X CUCM

— CORE UNIVERSAL CUP MOUNT
(NOTE: OMIT 'X' WHEN ORDERING ENGLISH PORTS)

— METRIC PORTING DESIGNATION
(NOTE: OMIT 'X' WHEN ORDERING ENGLISH PORTS)

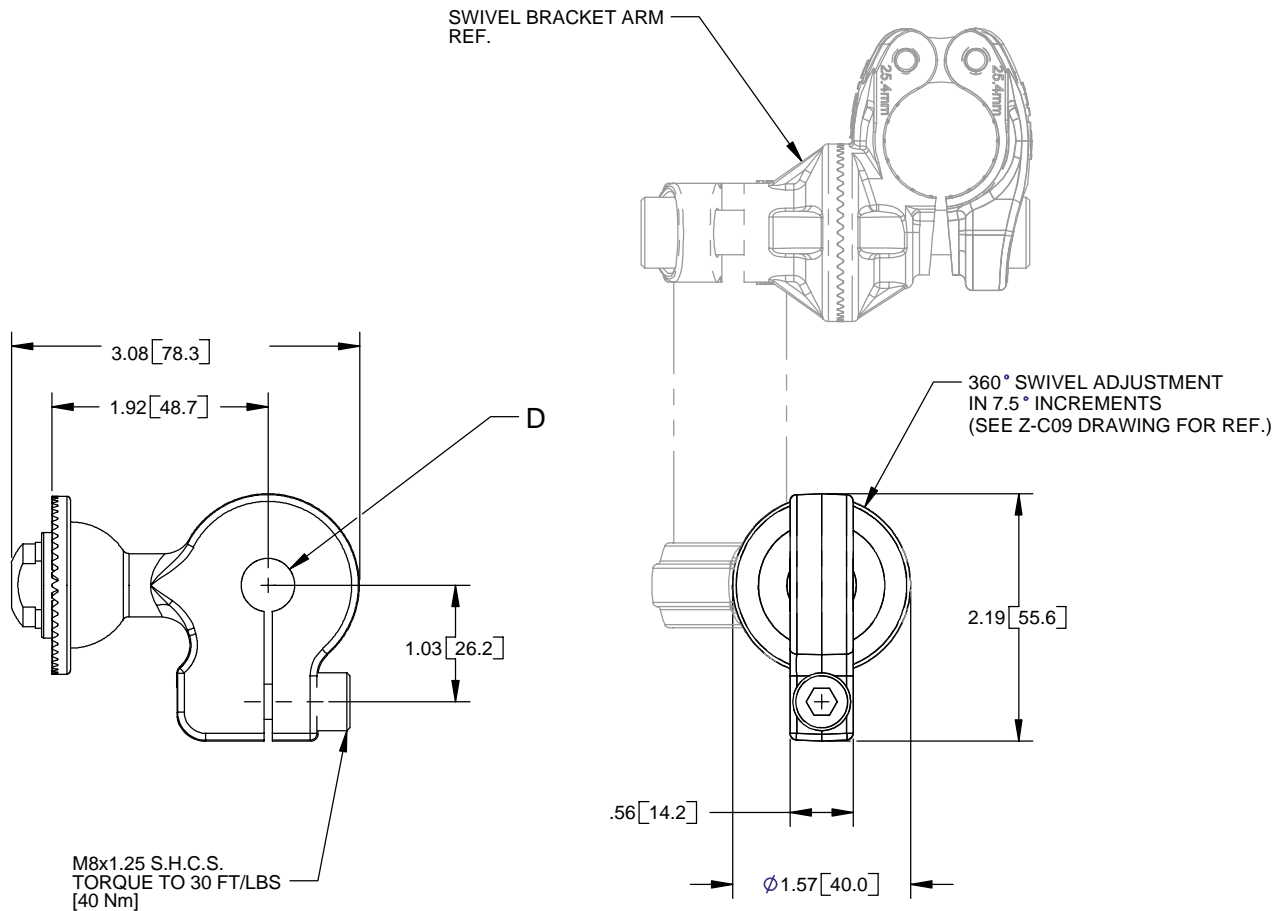
— POZ-E-LOK

MATERIAL: ALUMINUM
WEIGHT: 0.42 LBS. (0.89 KG)

Poz-E-Lok™ Modular Tooling

Swivel Proximity Switch Mount

Z-SPSM-xx Overall Dimensions



ORDERING INFORMATION

Z - SPSM - 12

DIAMETER OF PROXIMITY SWITCH
SEE CHARTS FOR D

SWIVEL PROXIMITY SWITCH MOUNT

POZ-E-LOK

MATERIAL: ALUMINUM STEEL
PART WEIGHT: SEE CHART

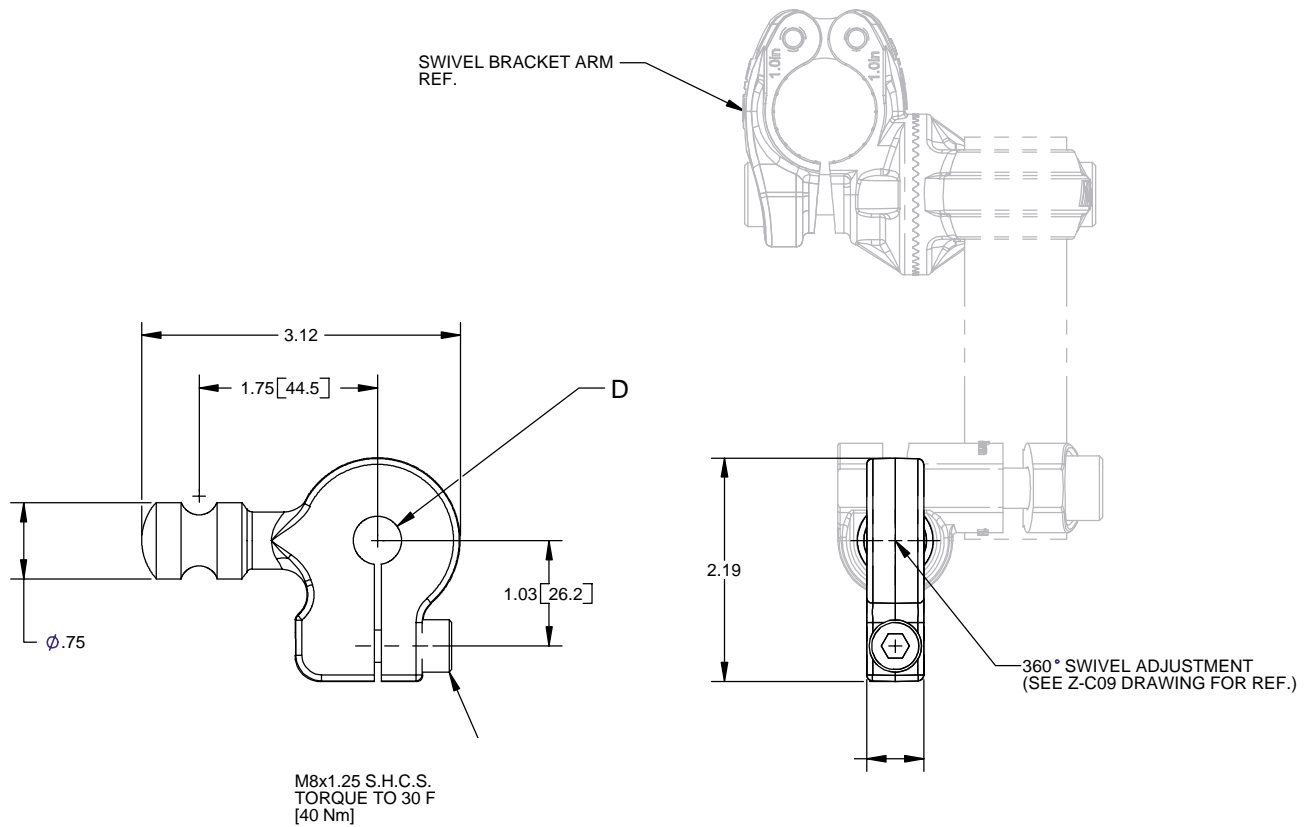
Part No.	D	Weight
Z-SPSM-12	12mm	4.7 oz. / 132 g.
Z-SPSM-18	18mm	4.5 oz. / 127 g.
Z-SPSM-25	25mm	4.2 oz. / 118 g.
Z-SPSM-30	30mm	3.9 oz. / 110 g.

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

Core Proximity Switch Mount

Z-CPSM-xx Overall Dimensions



ORDERING INFORMATION

Z - CPSM - 12

DIAMETER OF PROXIMITY SWITCH
SEE CHARTS FORD

CORE PROXIMITY SWITCH MOUNT

POZ-E-LOK

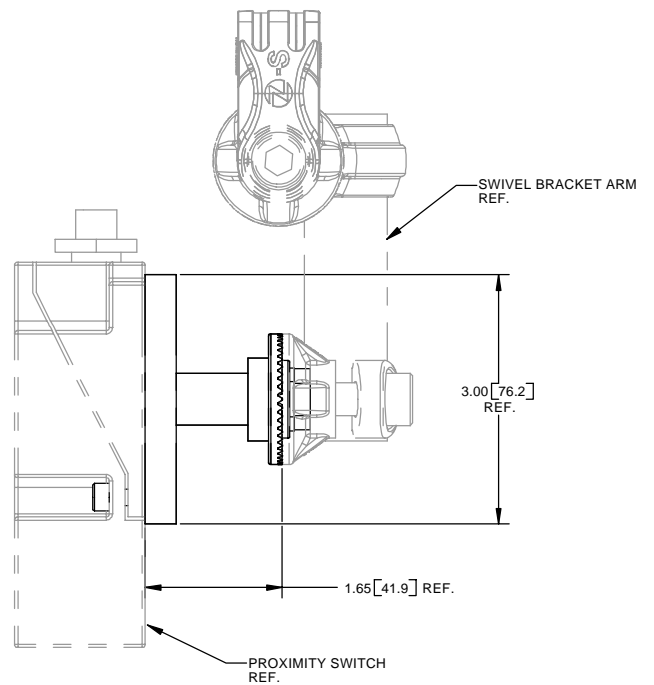
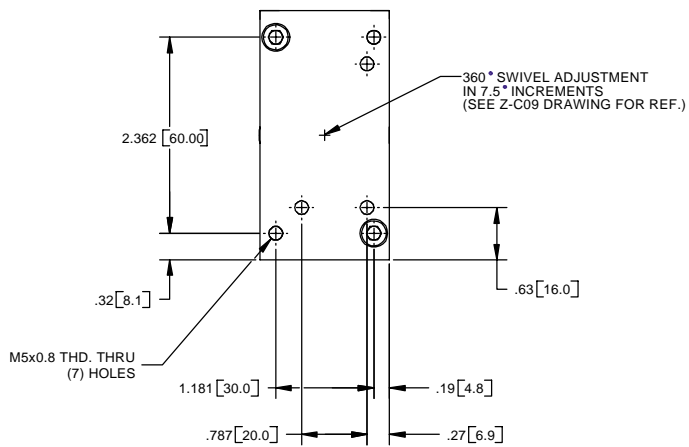
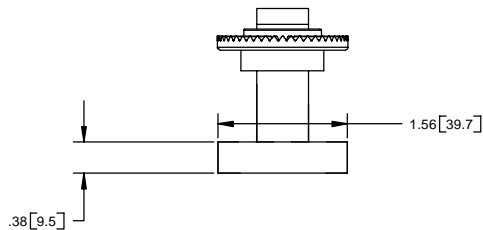
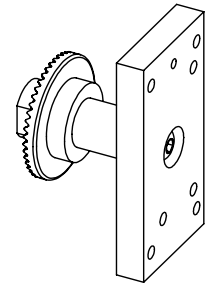
MATERIAL: ALUMINUM
PART WEIGHT: SEE CHART

Part No.	D	Weight
Z-CPSM-12	12mm	3.5 oz. / 98 g.
Z-CPSM-18	18mm	3.3 oz. / 93 g.
Z-CPSM-25	25mm	3.0 oz. / 84 g.
Z-CPSM-30	30mm	2.7 oz. / 76 g.

Poz-E-Lok™ Modular Tooling

Swivel Proximity Switch Mount Plate

Z-XSPSM Overall Dimensions



ORDERING INFORMATION

Z - XSPSM

SWIVEL PROXIMITY SWITCH MOUNT

POZ-E-LOK

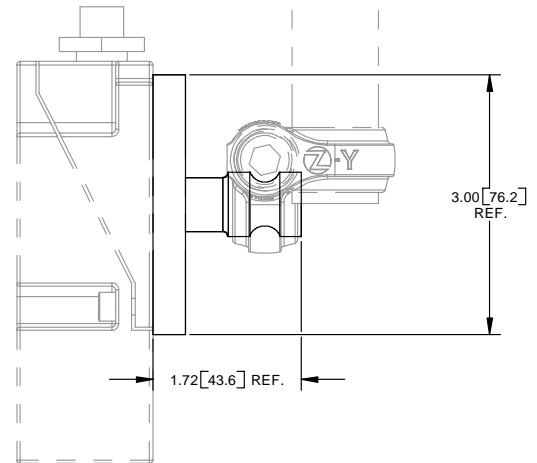
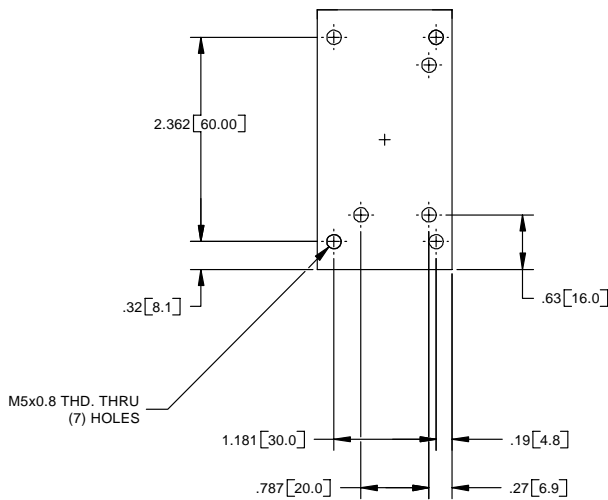
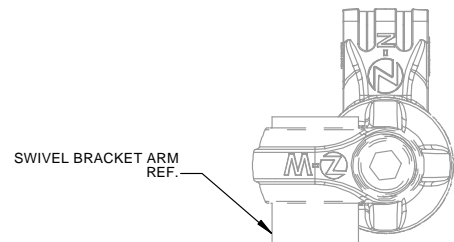
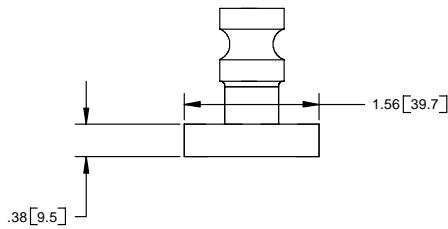
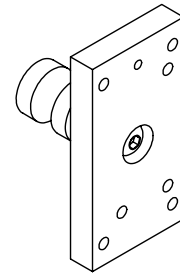
MATERIAL: ALUMINUM/STEEL
WEIGHT: 4.8 oz. / 135 g.

Poz-E-Lok™ Modular Tooling

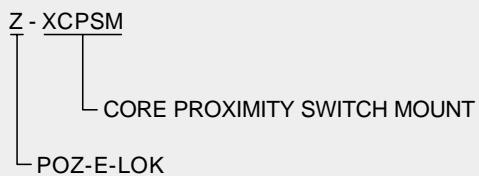
Poz-E-Lok™ Modular Tooling

Core Proximity Switch Mount Plate

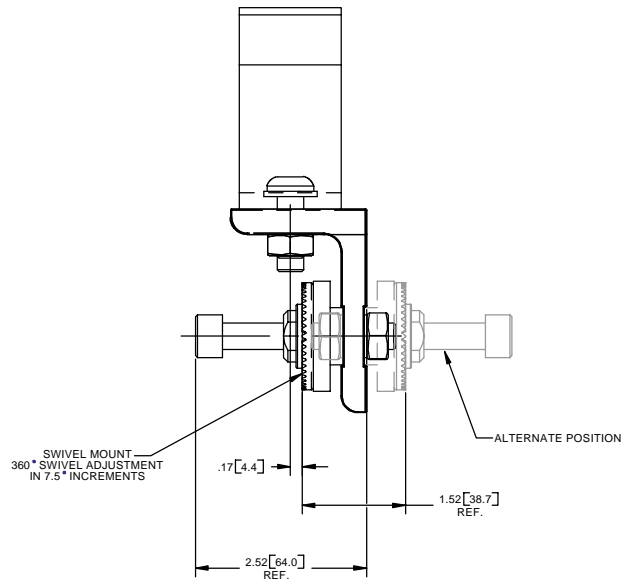
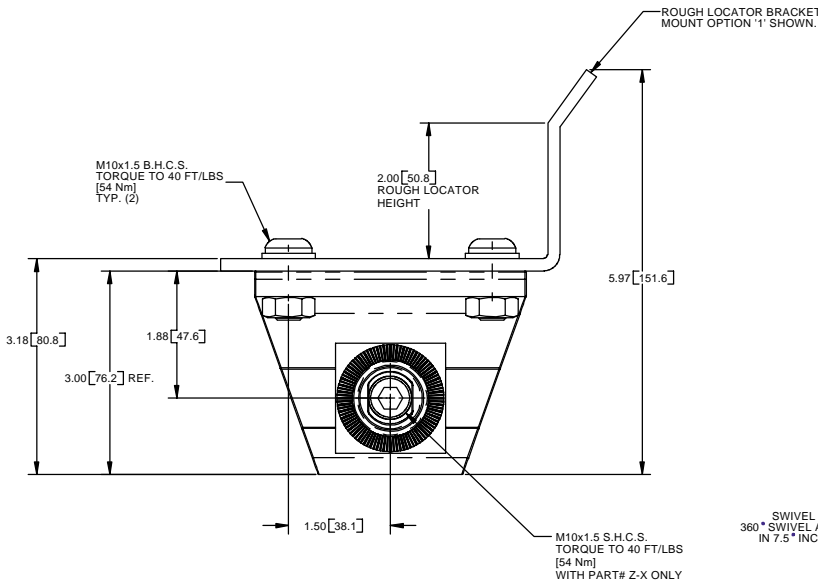
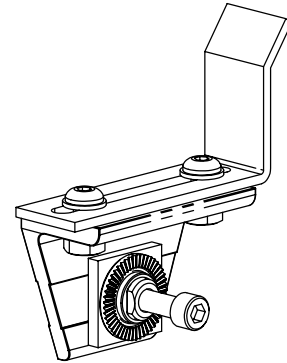
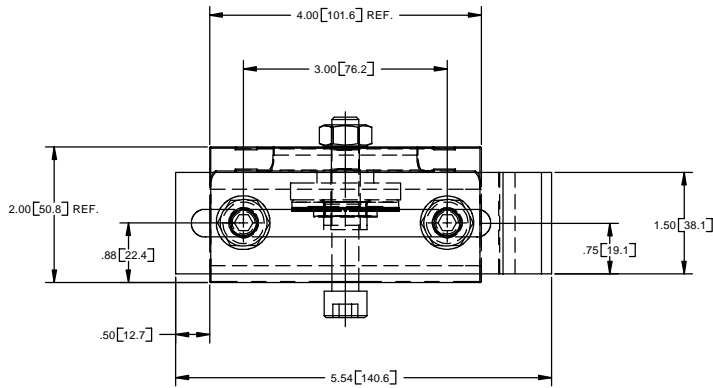
Z-XCPSM Overall Dimensions



ORDERING INFORMATION



Poz-E-Lok™ Modular Tooling
Z-Nest™ Swivel Angle Bracket Mount
Z-SAMB4 Overall Dimensions



ORDERING INFORMATION

Z-SAMB4 - 1

- LOCATOR OPTIONS
- 0 = NONE
- 1 = 2" HEIGHT - 90° ANGLE (290)
- 2 = 6" HEIGHT - 90° ANGLE (690)

SWIVEL ANGLE MOUNT BRACKET

POZ-E-LOK

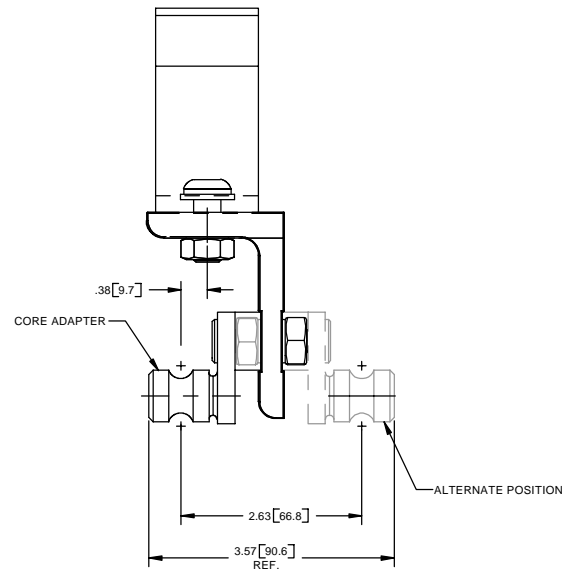
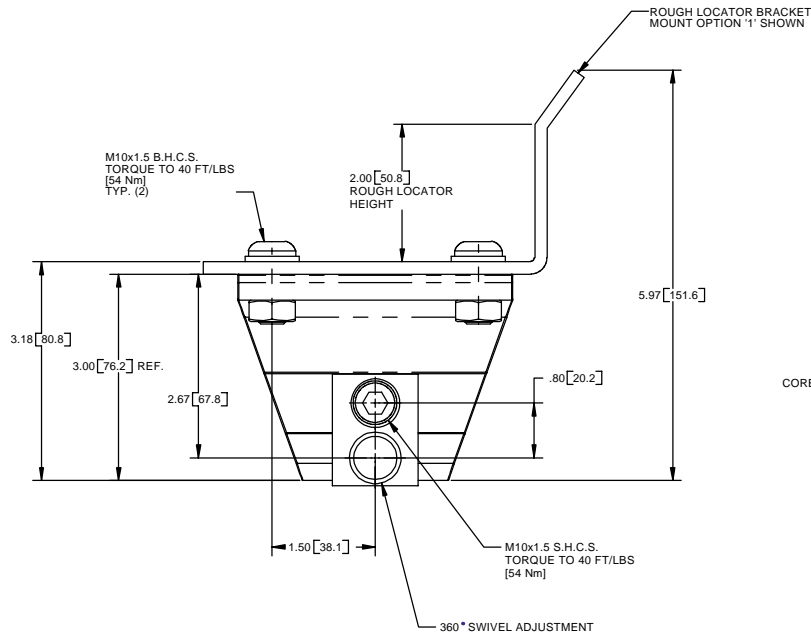
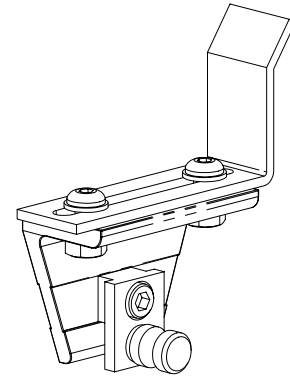
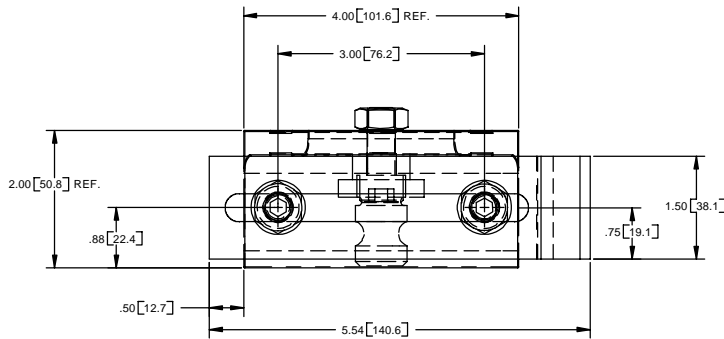
MATERIAL: ALUM. STEEL
 WEIGHT: 1.4 LBS [0.6 KG]

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

Z-Nest™ Core Angle Bracket Mount

Z-CAMB4 Overall Dimensions



ORDERING INFORMATION

Z-CAMB4 - 1

LOCATOR OPTIONS
 0 = NONE
 1 = 2" HEIGHT - 90° ANGLE (290)
 2 = 6" HEIGHT - 90° ANGLE (690)

CORE ANGLE MOUNT BRACKET

POZ-E-LOK

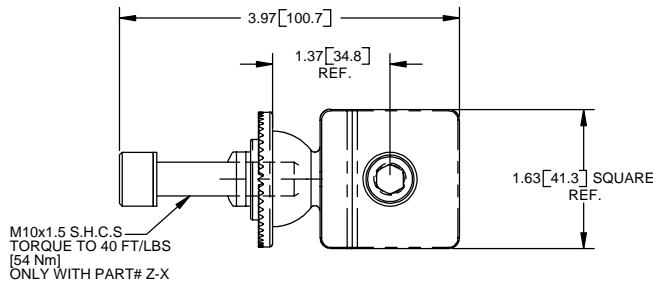
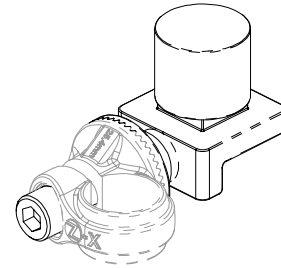
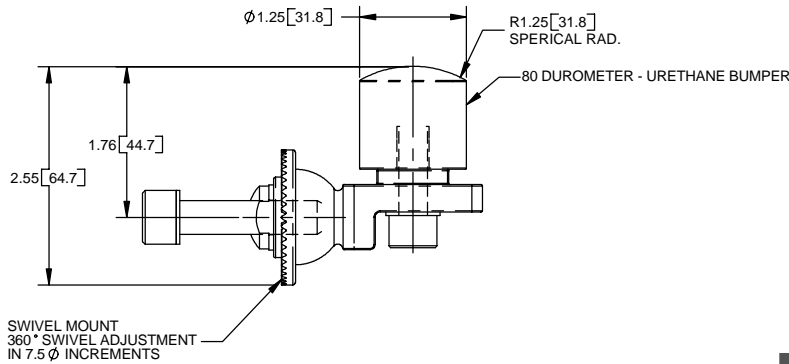
MATERIAL: ALUM./STEEL
 WEIGHT: 1.3 LBS [0.6 KG]

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

Z-Nest™ Horizontal Bumper Assembly

Z-SHBA Overall Dimensions



ORDERING INFORMATION

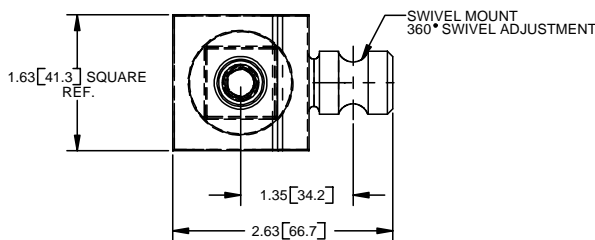
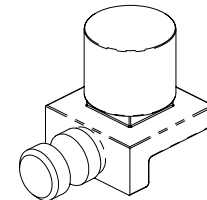
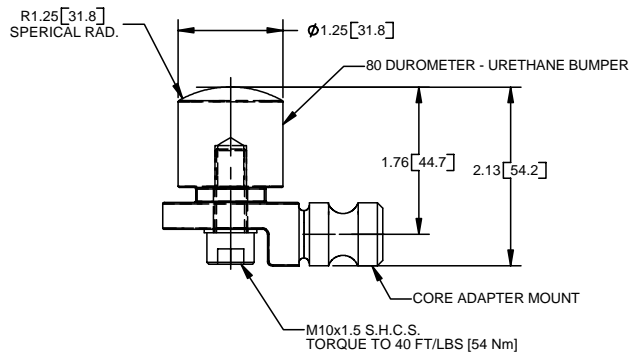
Z-SHBA

SWIVEL HORIZONTAL BUMPER ASSEMBLY

POZ-E-LOK

MATERIAL: STEEL \ URETHANE
WEIGHT: 0.4 LBS [0.9 KG]

Z-CHBA Overall Dimensions



ORDERING INFORMATION

Z-CHBA

CORE HORIZONTAL BUMPER ASSEMBLY

POZ-E-LOK

MATERIAL: STEEL \ URETHANE
WEIGHT: 0.24 LBS \ .11 KG.

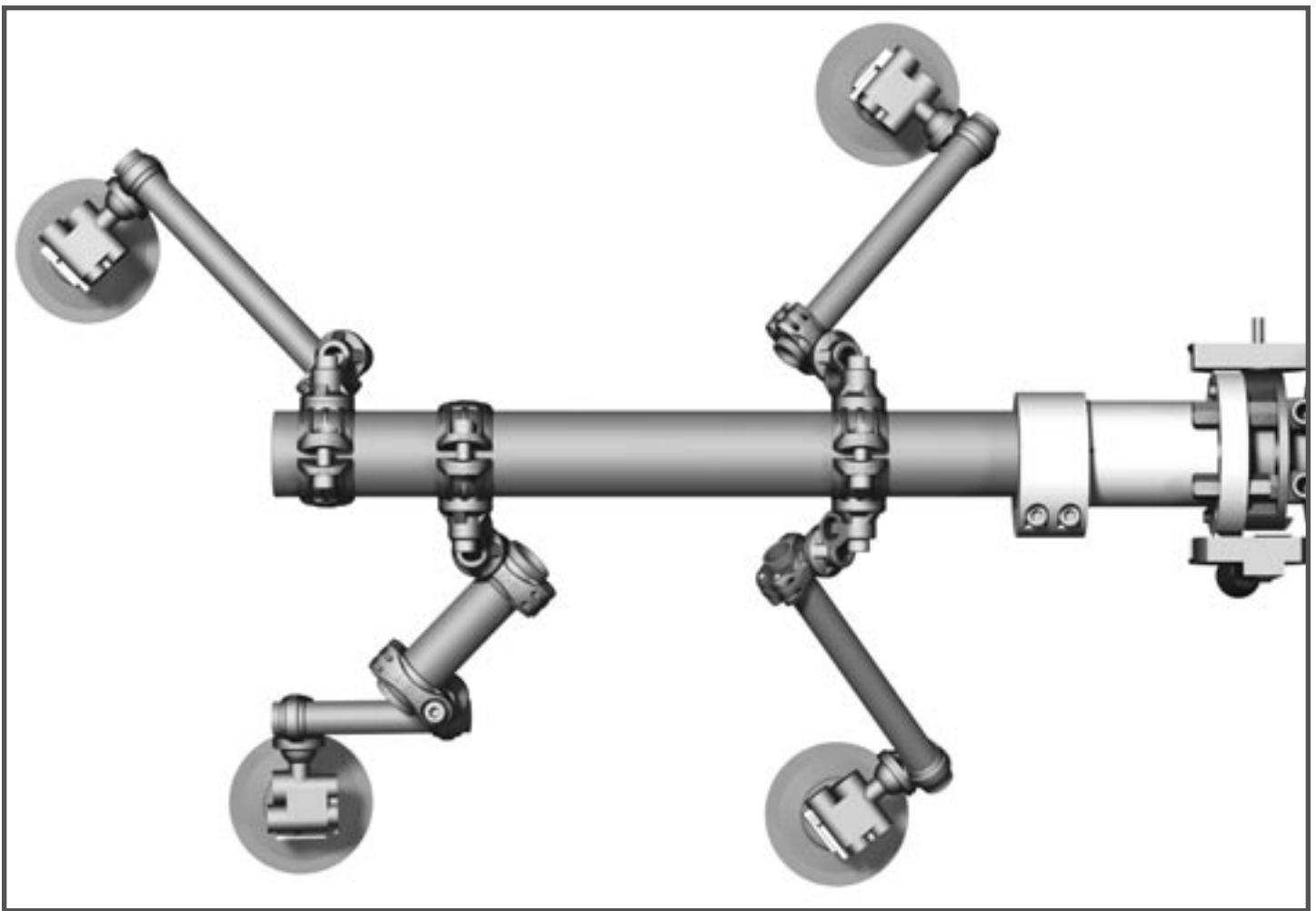
Poz-E-Lok™ Modular Tooling

Poz-E-Lok™

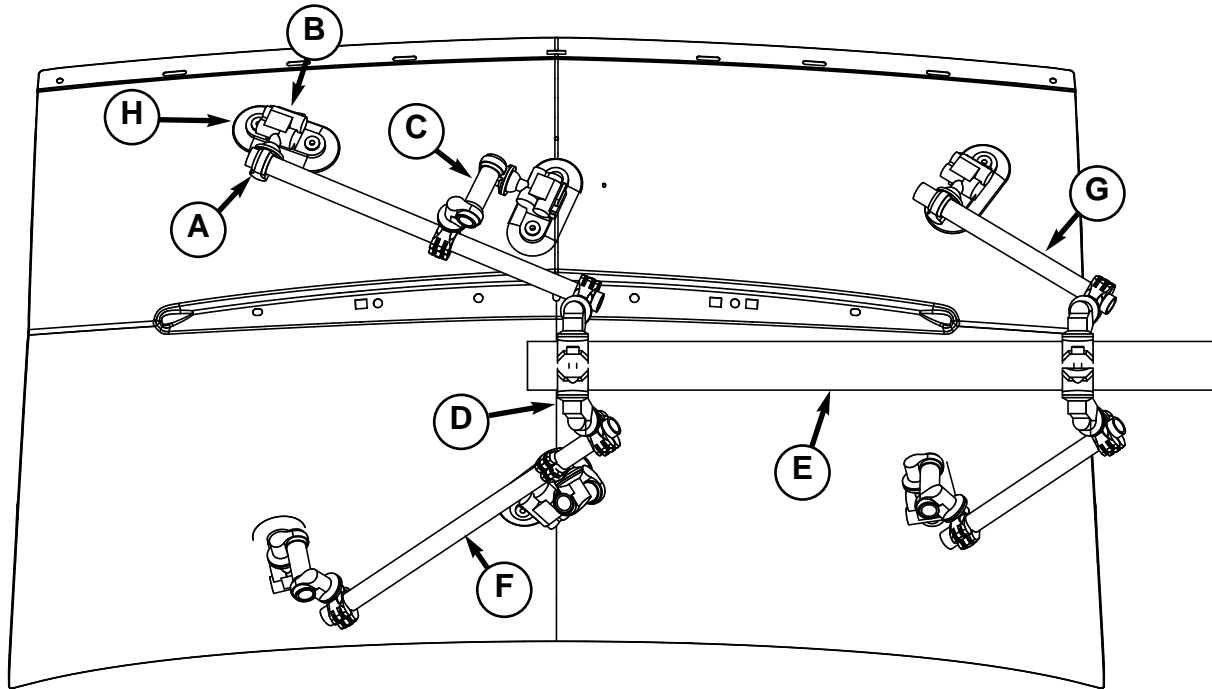
Modular Tooling System

by Norgren Automotive

Typical Tooling Applications



Poz-E-Lok™ Modular Tooling
 Typical Tool for a Outer Deck Lid

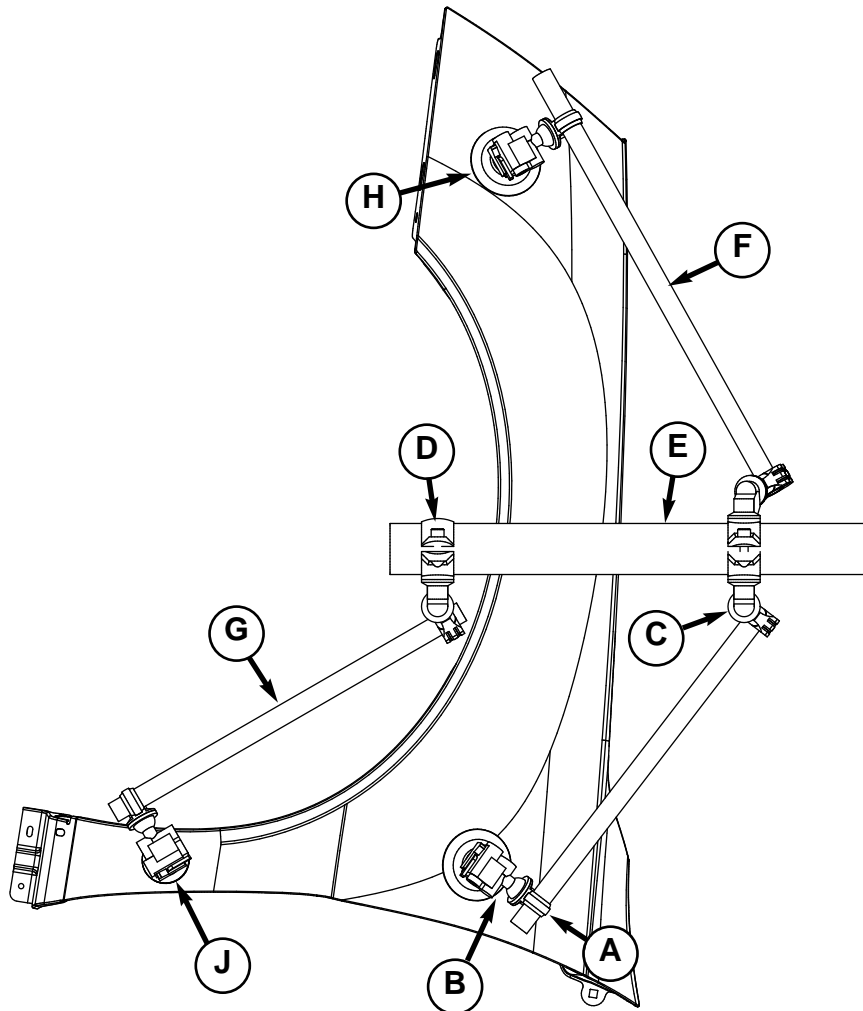


SAMPLE TOOL PARTS LIST

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-X	2	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z-SUCM	6	Poz-e-Lok SWIVEL CUP MOUNT
C	Z-NSWX100	4	Poz-e-Lok SWIVEL BRACKET ARM
D	Z-KKMMNNSS	2	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
E	Z-25-S-900	1	Poz-e-Lok 2.5 BOOM TUBING
F	Z-10-S-500	2	Poz-e-Lok 1.0 BOOM ROD TUBING
G	Z-10-S-300	2	Poz-e-Lok 1.0 BOOM ROD TUBING
H	OVCS25	6	OVAL VACUUM CUP

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling Typical Tool for a Outer Fender

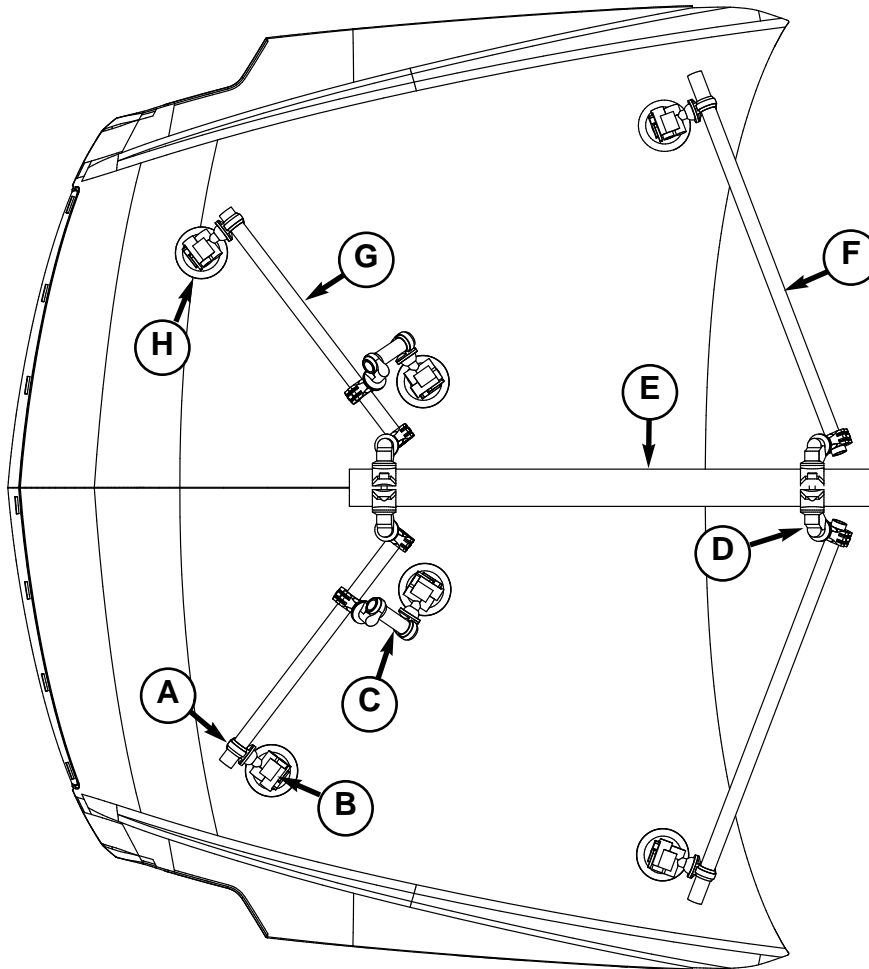


SAMPLE TOOL PARTS LIST

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-X	3	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z-SUCM	3	Poz-e-Lok SWIVEL CUP MOUNT
C	Z-KKMMNSS	1	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
D	Z-HKMNS	1	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
E	Z-25-S-600	1	Poz-e-Lok 2.5 BOOM TUBING
F	Z-10-S-600	1	Poz-e-Lok 1.0 BOOM ROD TUBING
G	Z-10-S-500	2	Poz-e-Lok 1.0 BOOM ROD TUBING
H	CVCS3-50	2	CONVOLUTED VACUUM CUP
J	CVCS2-50	1	CONVOLUTED VACUUM CUP

Poz-E-Lok™ Modular Tooling

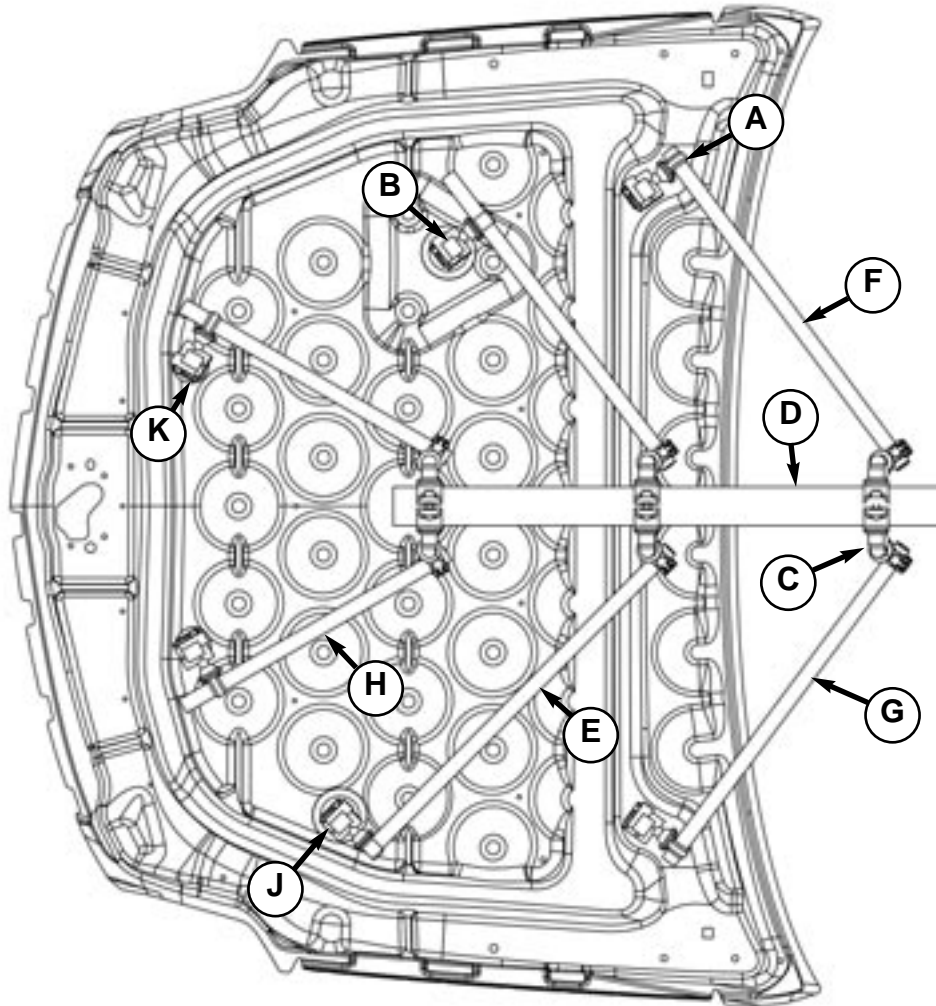
Typical Tool for a Outer Hood

**SAMPLE TOOL PARTS LIST**

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-X	4	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z-SUCM	6	Poz-e-Lok SWIVEL CUP MOUNT
C	Z-NSWX100	2	Poz-e-Lok SWIVEL BRACKET ARM
D	Z-KKMMNNS	2	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
E	Z-25-S-900	1	Poz-e-Lok 2.5 BOOM TUBING
F	Z-10-S-700	2	Poz-e-Lok 1.0 BOOM ROD TUBING
G	Z-10-S-500	2	Poz-e-Lok 1.0 BOOM ROD TUBING
H	CVCS3-50	6	CONVOLUTED VACUUM CUP

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling Typical Tool for a Inner Hood

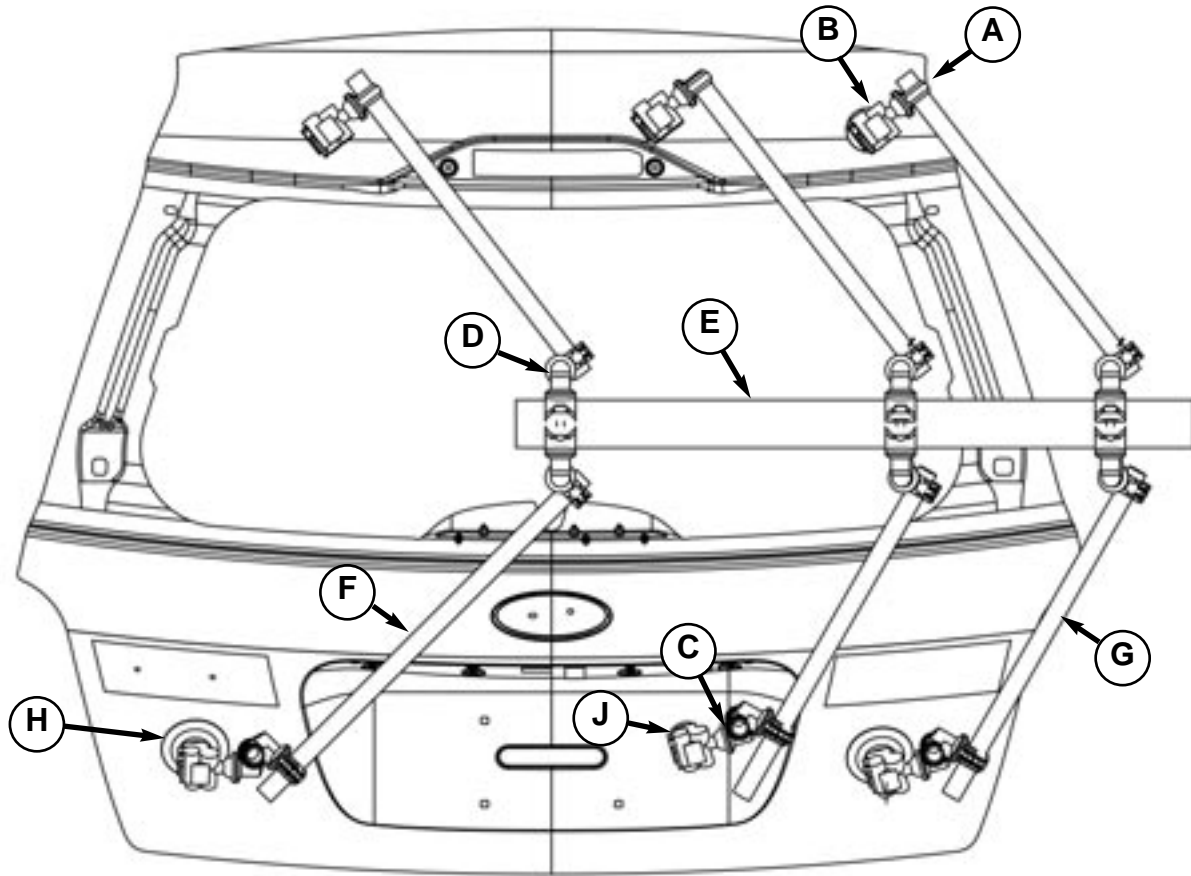


SAMPLE TOOL PARTS LIST

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-X	6	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z-SUCM	6	Poz-e-Lok SWIVEL CUP MOUNT
C	Z-KKMMNSS	3	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
D	Z-25-S-900	1	Poz-e-Lok 2.5 BOOM TUBING
E	Z-10-S-700	1	Poz-e-Lok 1.0 BOOM ROD TUBING
F	Z-10-S-650	2	Poz-e-Lok 1.0 BOOM ROD TUBING
G	Z-10-S-600	1	Poz-e-Lok 1.0 BOOM ROD TUBING
H	Z-10-S-500	2	Poz-e-Lok 1.0 BOOM ROD TUBING
J	CVCS3-50	2	CONVOLUTED VACUUM CUP
K	CVCS2-50	4	CONVOLUTED VACUUM CUP

Poz-E-Lok™ Modular Tooling

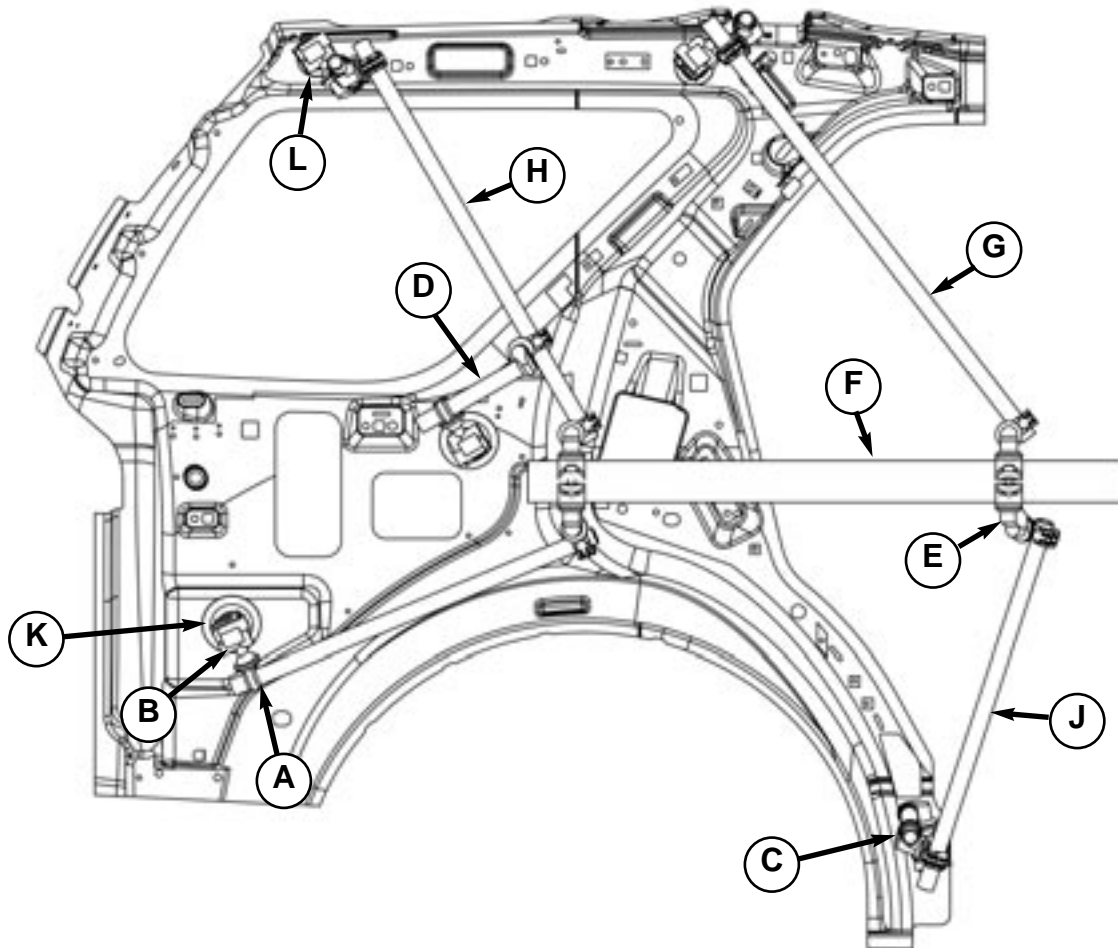
Typical Tool for a Lift Gate

**SAMPLE TOOL PARTS LIST**

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-X	3	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z-SUCM	6	Poz-e-Lok SWIVEL CUP MOUNT
C	Z-NSWX150	3	Poz-e-Lok SWIVEL BRACKET ARM
D	Z-KKMMNNS	3	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
E	Z-25-S-900	1	Poz-e-Lok 2.5 BOOM TUBING
F	Z-10-S-600	1	Poz-e-Lok 1.0 BOOM ROD TUBING
G	Z-10-S-500	5	Poz-e-Lok 1.0 BOOM ROD TUBING
H	CVCS3-50	3	CONVOLUTED VACUUM CUP
J	CVCS2-50	3	CONVOLUTED VACUUM CUP

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling Typical Tool for a Quarter Inner Panel



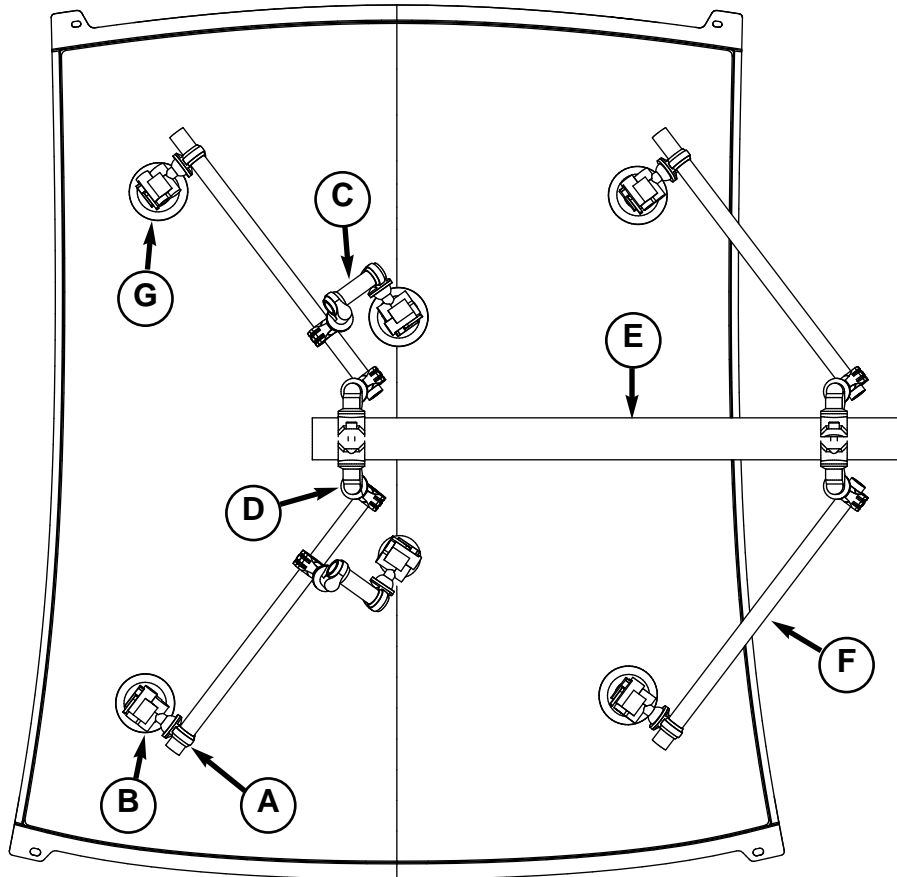
SAMPLE TOOL PARTS LIST

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-X	1	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z-SUCM	5	Poz-e-Lok SWIVEL CUP MOUNT
C	Z-NSWX200	1	Poz-e-Lok SWIVEL BRACKET ARM
D	Z-NSWX150	3	Poz-e-Lok SWIVEL BRACKET ARM
E	Z-KKMMNNS5	2	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
F	Z-25-S-900	1	Poz-e-Lok 2.5 BOOM TUBING
G	Z-10-S-800	1	Poz-e-Lok 1.0 BOOM ROD TUBING
H	Z-10-S-700	1	Poz-e-Lok 1.0 BOOM ROD TUBING
J	Z-10-S-600	2	Poz-e-Lok 1.0 BOOM ROD TUBING
K	CVCS3-50	2	CONVOLUTATED VACUUM CUP
L	CVCS2-50	3	CONVOLUTATED VACUUM CUP

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling

Typical Tool for a Roof Panel

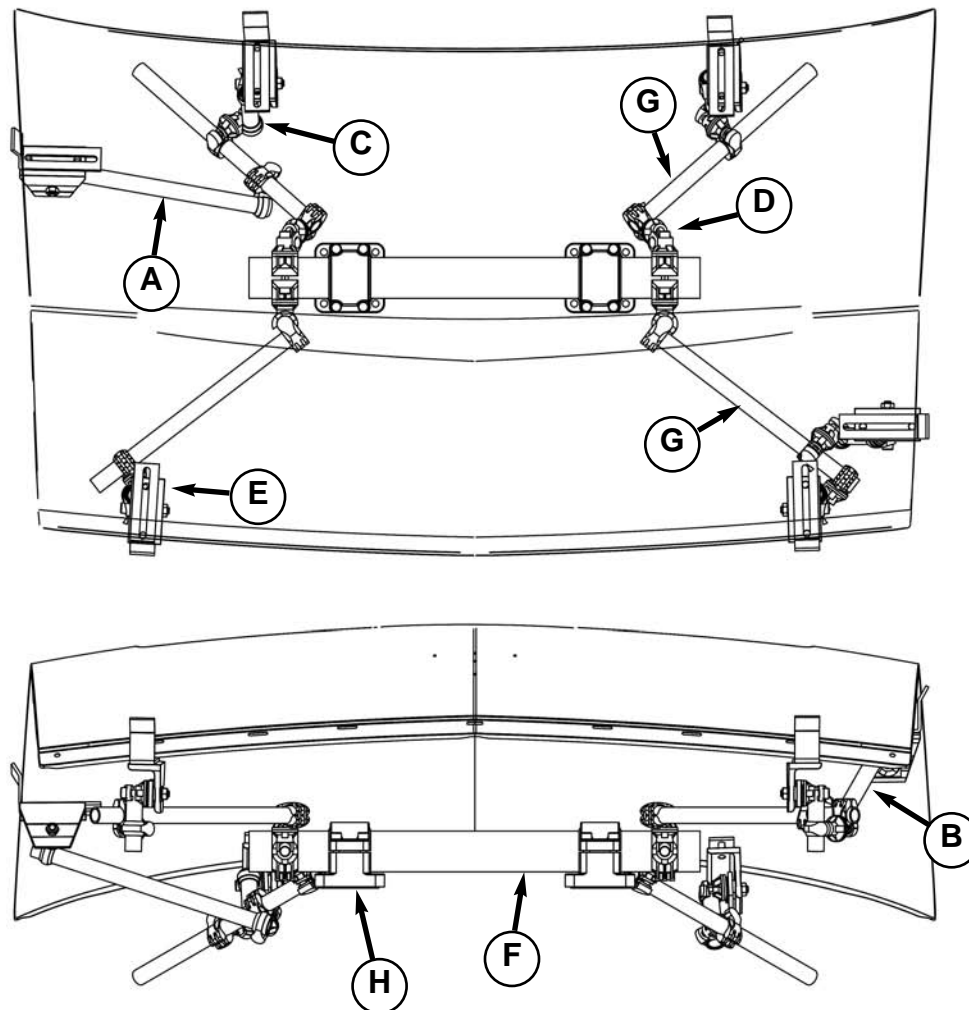


SAMPLE TOOL PARTS LIST

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z - X	4	Poz-e-Lok SWIVEL VENTURI ADAPTER
B	Z - SUCM	6	Poz-e-Lok SWIVEL CUP MOUNT
C	Z - NSWX100	2	Poz-e-Lok SWIVEL BRACKET ARM
D	Z - KKMMNNS	2	Poz-e-Lok 2.5IN SWIVEL BOOM MOUNT
E	Z - 25 - S - 900	1	Poz-e-Lok 2.5 BOOM TUBING
F	Z - 10 - S - 500	4	Poz-e-Lok 1.0 BOOM ROD TUBING
G	CVCS3-50	6	CONVOLUTED VACUUM CUP

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling Typical Z-Nest™ Tool for a Outer Deck Lid



SAMPLE TOOL PARTS LIST

DETAIL	PART NUMBER	QUAN	DESCRIPTION
A	Z-NSWX300	1	POS-E-LOK SWIVEL BRACKET ARM
B	Z-NSWX150	1	POS-E-LOK SWIVEL BRACKET ARM
C	Z-NSWX100	4	POS-E-LOK SWIVEL BRACKET ARM
D	Z-KKMMNNS	2	POZ-E-LOK SWIVEL BOOM MOUNT
E	Z-SAMB4	6	POZ-E-LOK SWIVEL ANGLE MTG.
F	Z-25-S-700	1	POZ-E-LOK BOOM TUBING
G	Z-10-S-400	4	POZ-E-LOK BOOM TUBING
H	TF2S	2	SADDLE FLANGE MOUNT

Poz-E-Lok™ Modular Tooling

Poz-E-Lok™ Modular Tooling