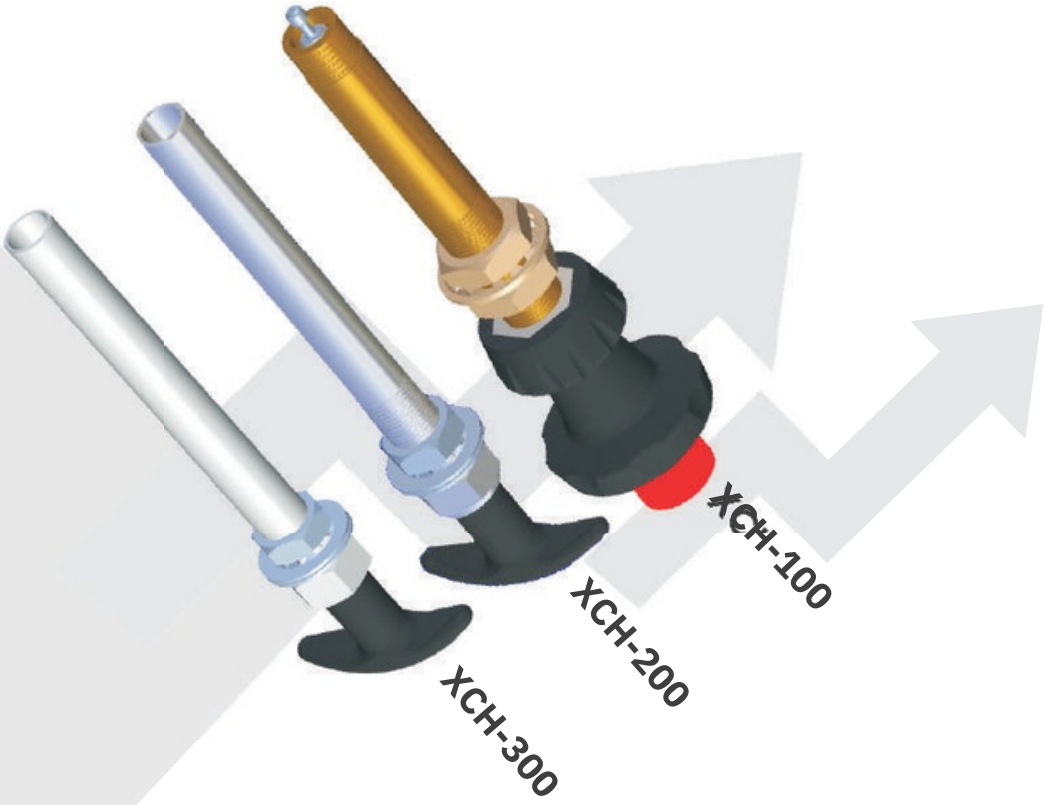
Cablecraft®
Est. 1985

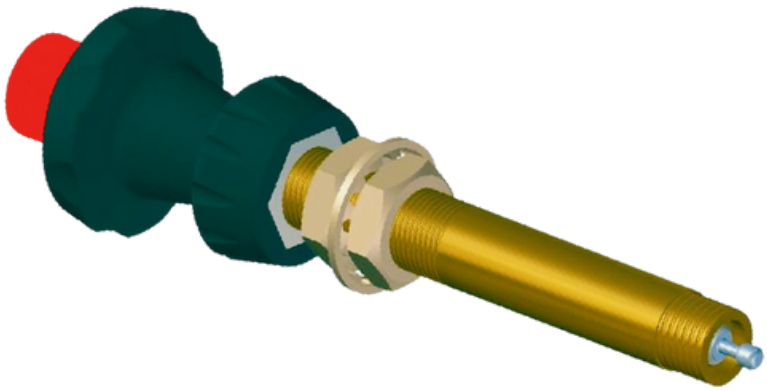
Pedal & Lever Catalogue

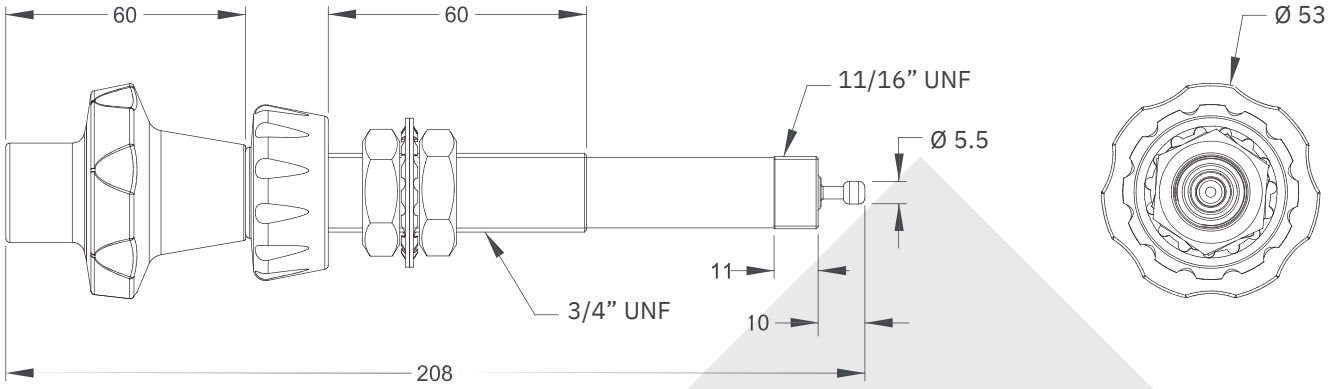
Cablecraft Controls cc
77 West Street, Kempton Park 1619
011 394 4865
cables@cablecraft.co.za
www.cablecraft.co.za

CONTROL HEAD CABLES



VERNIER CONTROL





Material : Brass Quick
Disconnect type.
Max. Travel = 76mm
Max. Load = 30 Kg
All Dimensions are in mm.

TWIST LOCK XCH-200



U - ULD

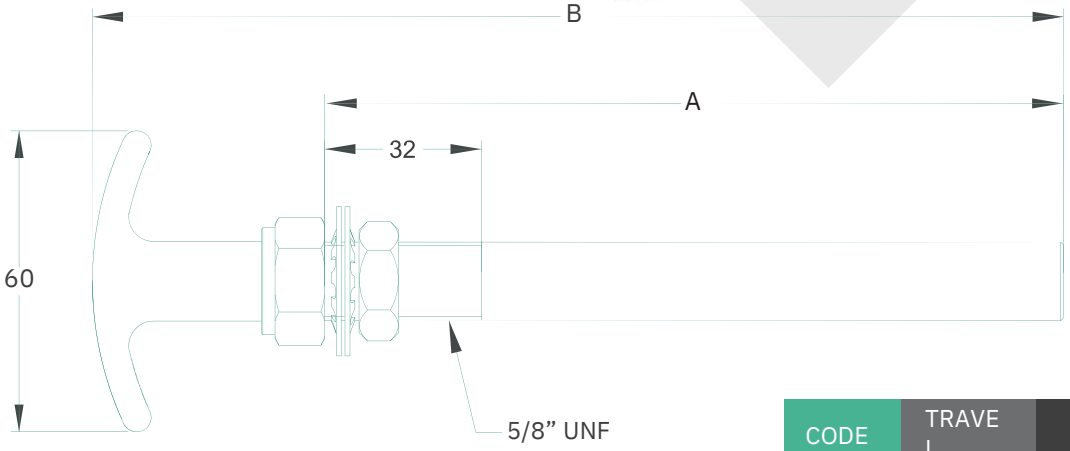
V - VLD

R - RED KNOB

B - BLACK KNOB

TRAVEL OPTIONS:

1 = 3 INCH TRAVEL 2 = 4 INCH TRAVEL 3 = 5 INCH TRAVEL



CODE	TRAVEL (INCH)	A	B
1	3	150	195
2	4	175	220
3	5	200	245

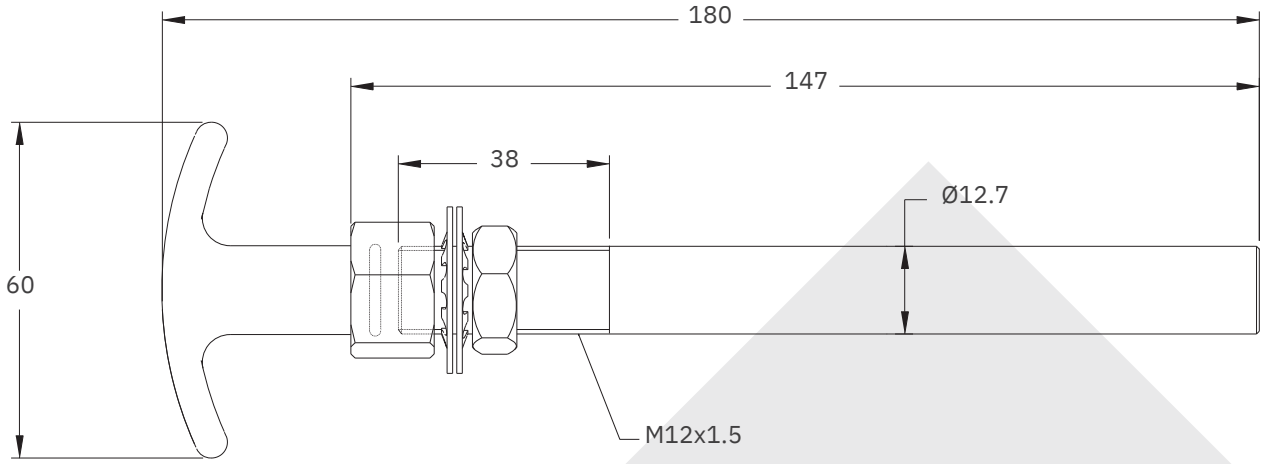
Material : Aluminium
Locking at 1/8 turn in either side.
Body : AL 6063 T5
Max. Travel = 3", 4", 5" (INCH).
Max. Load = 10 Kg
All Dimensions are in mm.

PULL TO OPERATE XCH-300

R - RED KNOB

B - BLACK KNOB





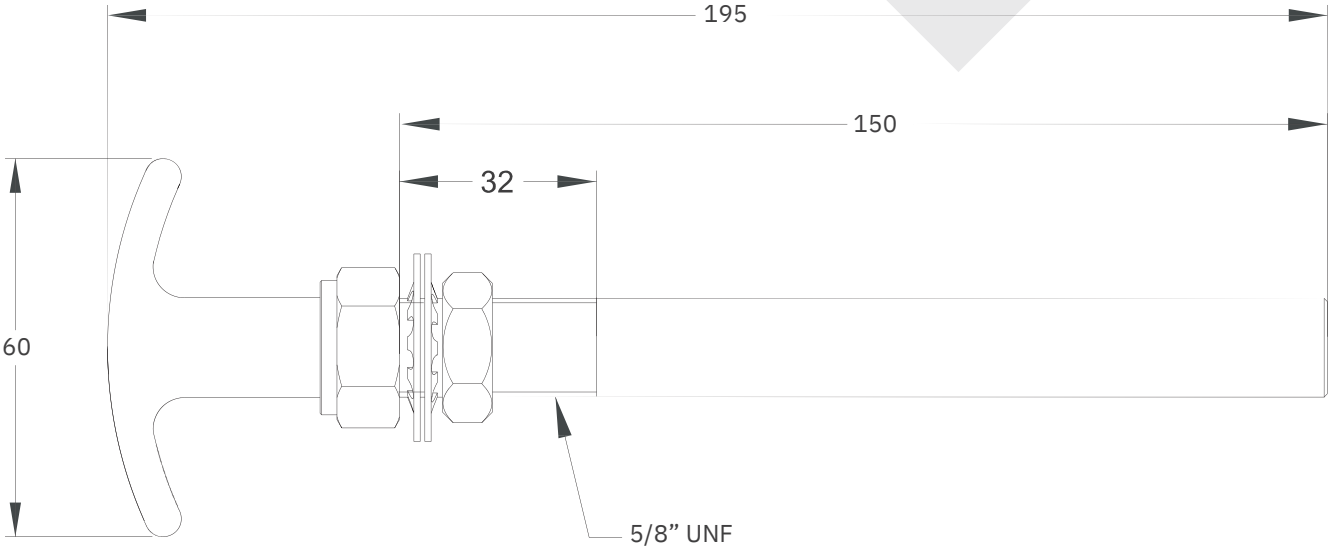
Material : EN1A
Max. Travel = 76mm
Max. Load = 30 Kg
All Dimensions are in mm.
Suitable for VLD Cable.

PULL TO OPERATE
XCH-400



R - RED KNOB

B - BLACK KNOB



- Material : Aluminium
- Pull to Operate type. Max.
- Travel = 76mm.
- Max. Load = 30 Kgf
- All Dimensions are in mm.
- Suitable for LD Cable.

HAND THROTTLE LEVERS



XTL-240



XTL-260



XTL-320
XTL-322



XTL-340
XTL-342



XTL-400



XTL-402



XTL-420
XTL-440



XTL-500
XTL-520
XTL-540

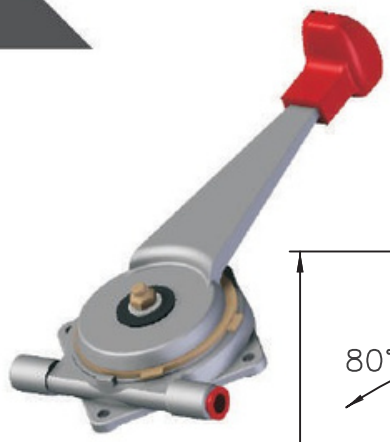


XTL-505
XTL-525
XTL-545

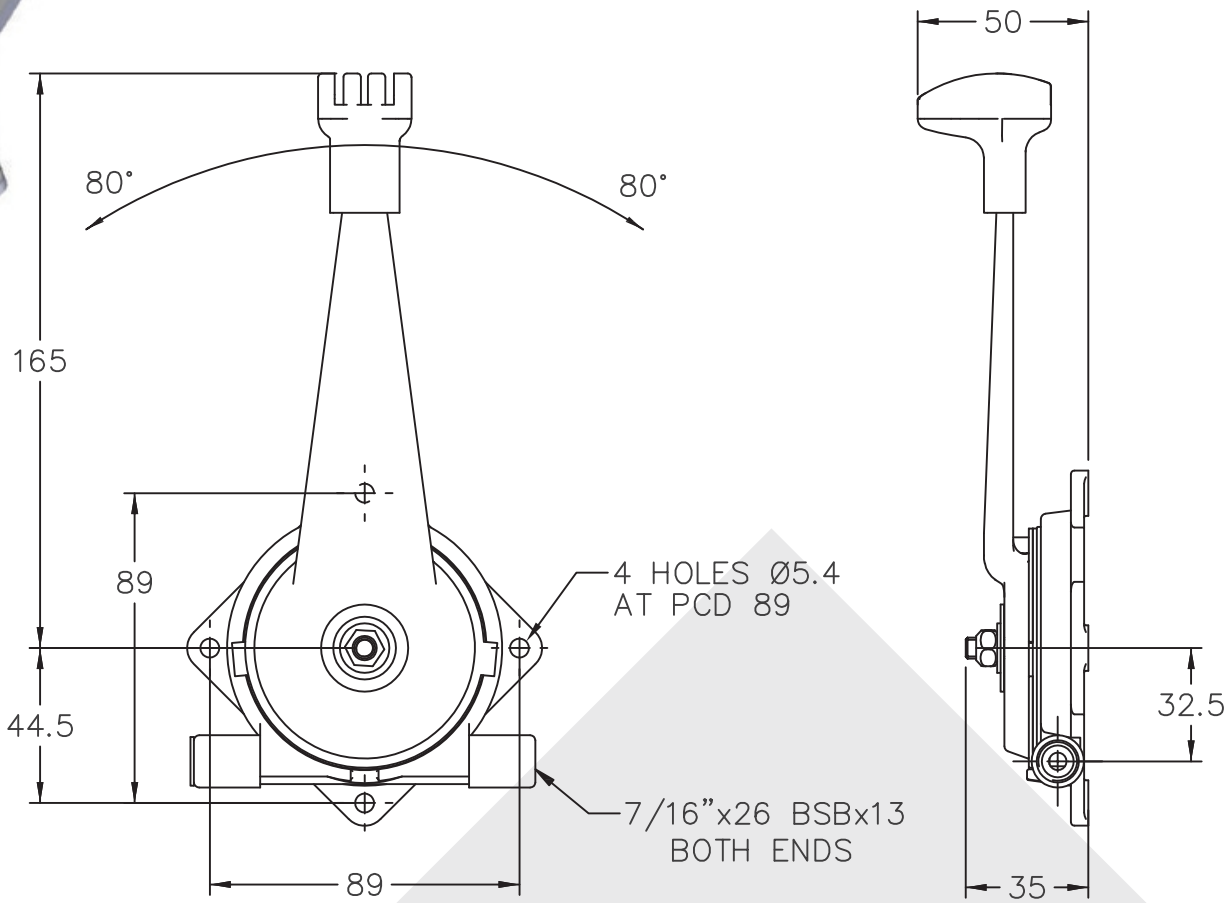


XPB-305

HAND THROTTLE XTL-240

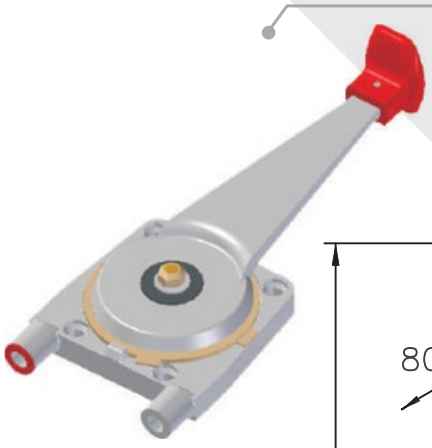


N = NO KNOB
R = RED COLORED KNOB
B = BLACK COLORED KNOB

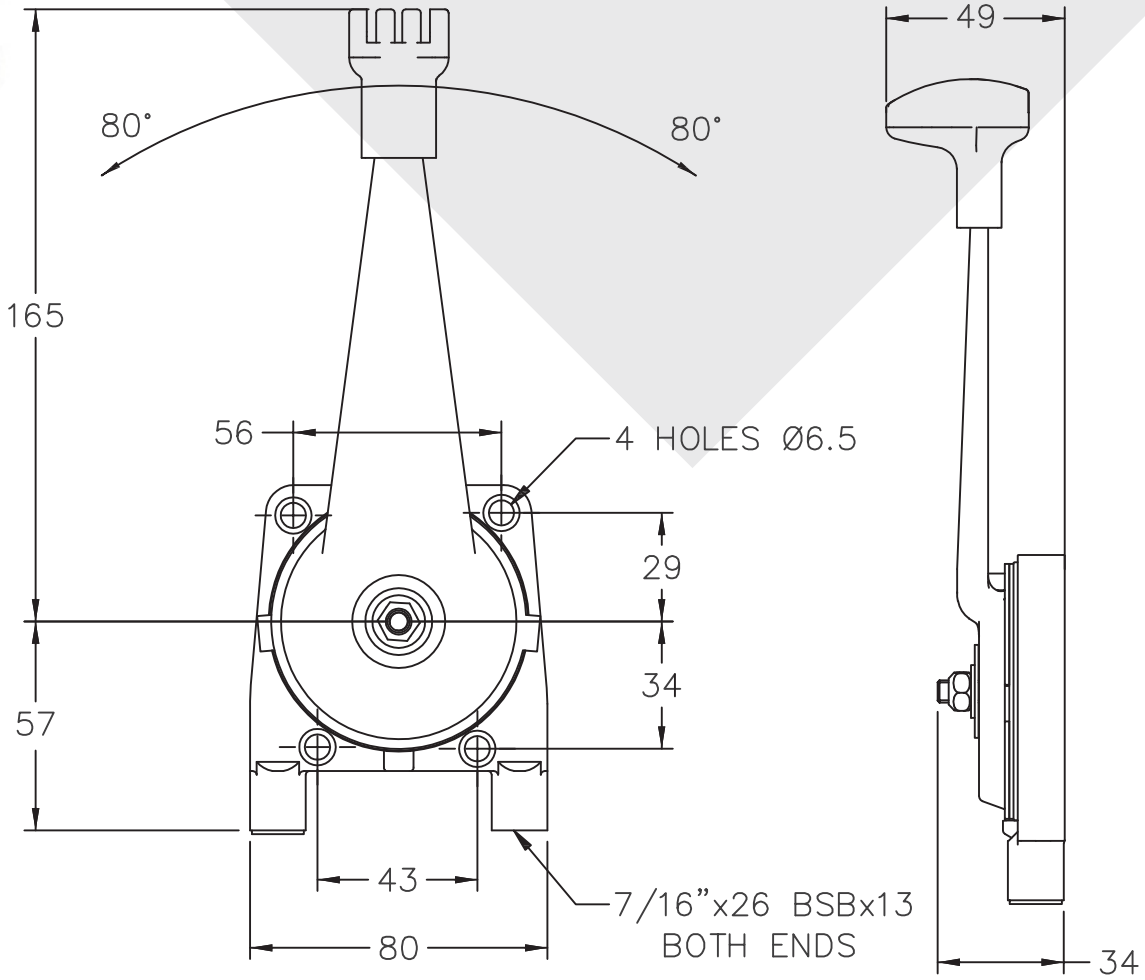


- Hand Throttle Lever in Zinc Alloy Die Cast construction.
- Adjustable friction through lock nut on the front surface 45
- degree of lever movement results in 25mm of travel
- Maximum recommended travel 90mm
- Suitable for light push pull or pull only loads
- Maximum load 10 Kg.
- Lever adjustable in 60 increments.
- Travel Stop Plates adjustable in 10 increments.

HAND THROTTLE
XTL-260



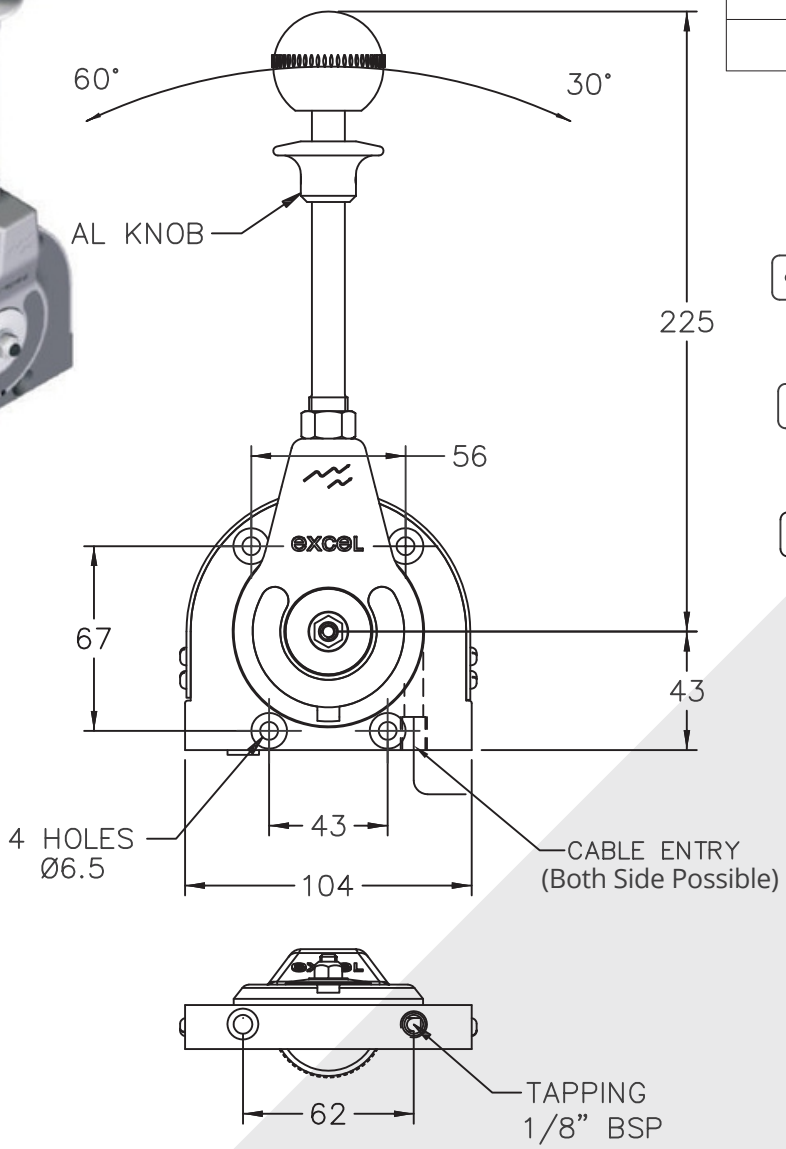
N = NO KNOB
R = RED COLORED KNOB
B = BLACK COLORED KNOB



- Hand Throttle Lever in Zinc Alloy Die Cast construction.
- Adjustable friction through lock nut on the front surface 45
- degree of lever movement results in 25mm of travel
- Maximum recommended travel 90mm
- Suitable for light push pull or pull only loads
- Maximum load 10 Kg.
- Lever adjustable in 60o increments.
- Travel Stop Plates adjustable in 10 increments.
- Vertical cable entry

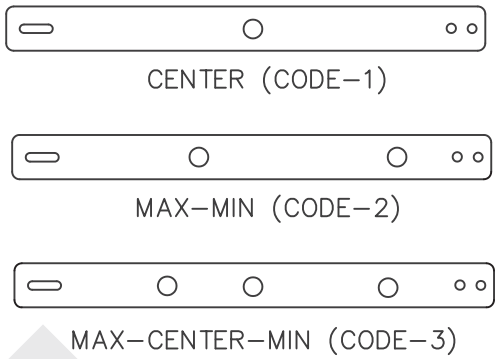
HAND THROTTLE XTL-320





DETENT POSITIONS

- **1 = CENTER DETENT**
- **2 = MAX-MIN DETENT**
- **3 = MAX - CENTER - MIN DETENT**

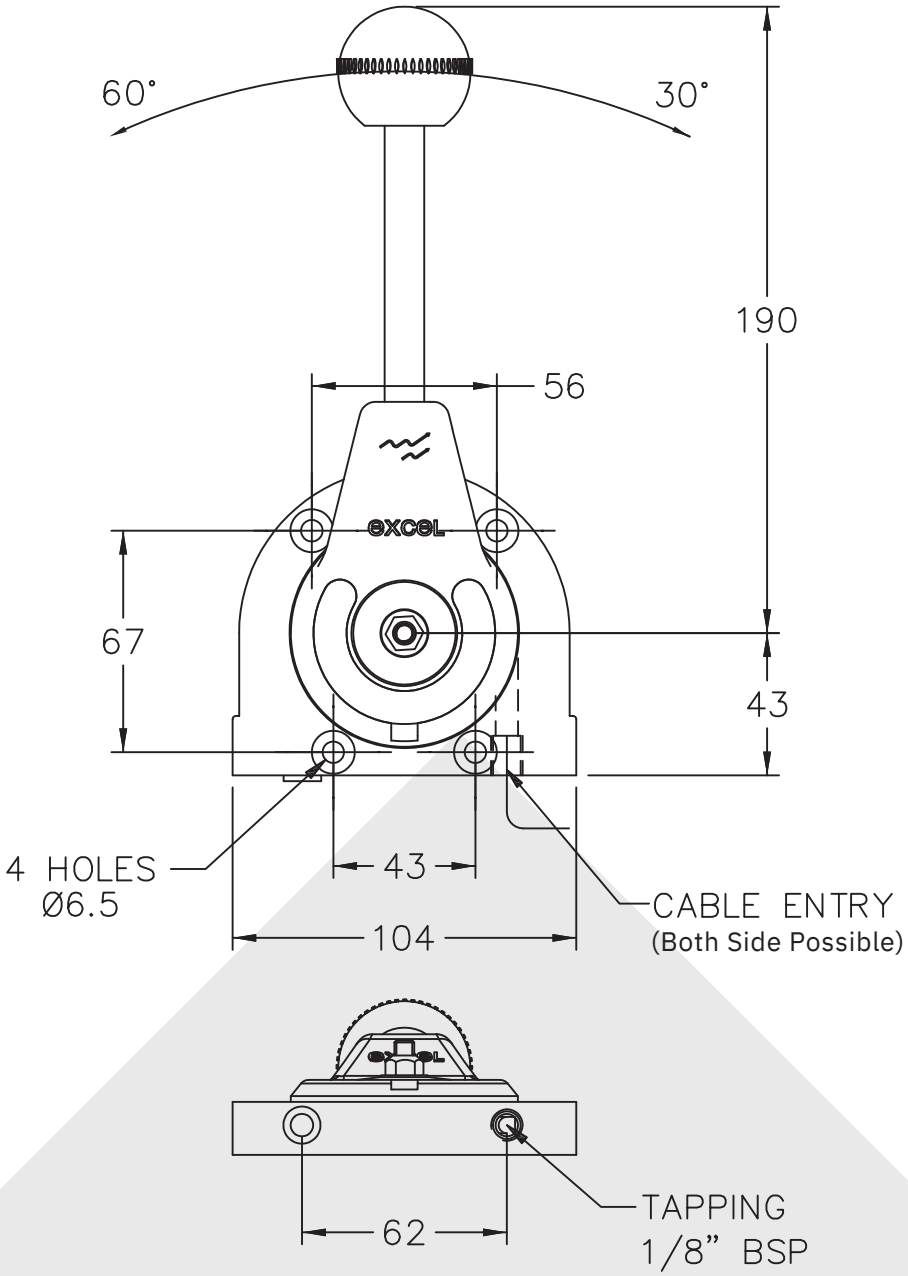


- Ÿ Hand Throttle Control available in Zinc Alloy Die Cast construction.
- Ÿ Maximum recommended travel 50mm for angular motion of 90o.
- Ÿ Maximum load 10kg.
- Ÿ Suitable for light duty pull only applications
- Ÿ Adjustable travel stops.

Note :-
Handle movement should not exceed 30o from center towards cable entry side.

HAND THROTTLE XTL-340



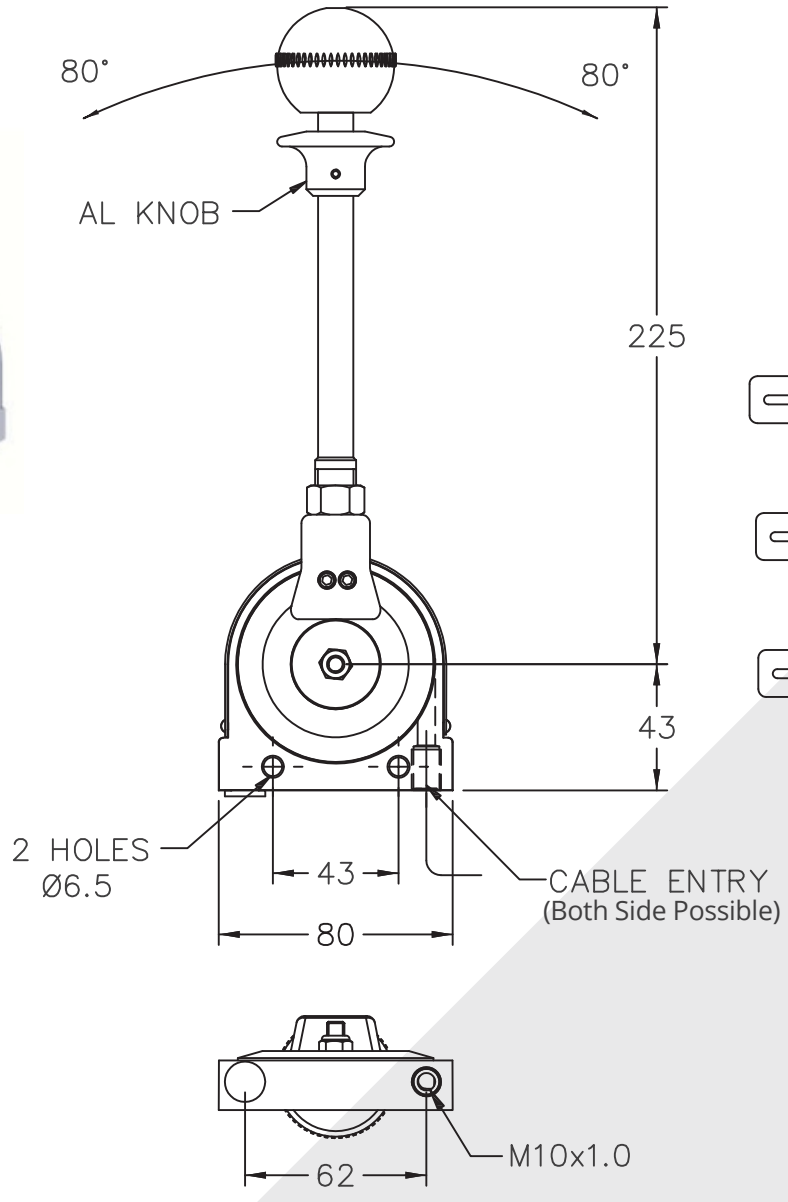


- Ÿ Hand Throttle Control available in Zinc Alloy Die Cast construction.
- Ÿ Maximum recommended travel 50mm for angular motion of 90°.
- Ÿ Maximum load 10kg.
- Ÿ Suitable for light duty pull only applications.
- Ÿ Adjustable travel stops.
- Ÿ Various lock options available.
- Ÿ Adjustable friction through nut on the front surface.
- Ÿ

Note :-
Handle movement should not exceed 30o from center towards cable entry side.

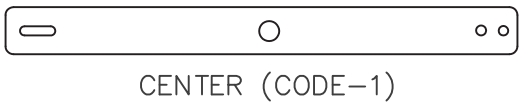
HAND THROTTLE XTL-400



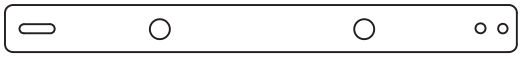


DETENT POSITIONS

- **1 = CENTER DETENT**
- **2 = MAX-MIN DETENT**
- **3 = MAX - CENTER - MIN DETENT**



CENTER (CODE–1)



MAX–MIN (CODE–2)



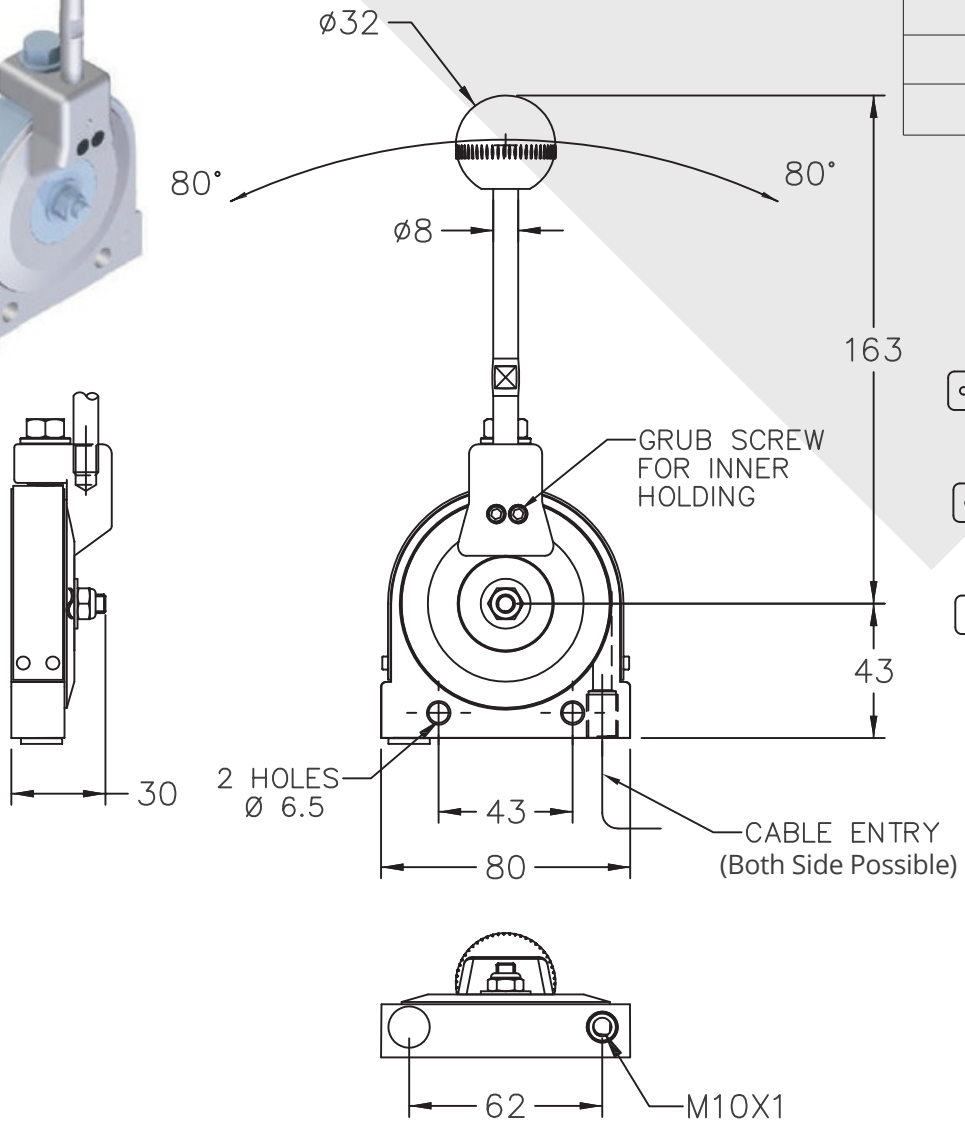
MAX–CENTER–MIN (CODE–3)

- Ÿ Hand Throttle Lever in Aluminium Alloy Die Cast construction
- Ÿ Suitable for light to moderate Pull only or Push Pull loads.
- Ÿ Recommended maximum travel 75mm for angular motion of 160o.
- Ÿ Maximum load 10 Kgf.

Note :-
Handle movement should not exceed 30o from center towards cable entry side.

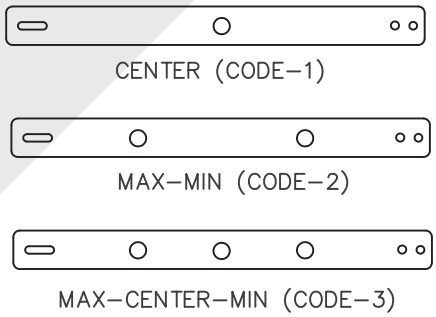
HAND THROTTLE XTL-402





DETENT POSITIONS

- **1 = CENTER DETENT**
- **2 = MAX-MIN DETENT**
- **3 = MAX - CENTER - MIN DETENT**

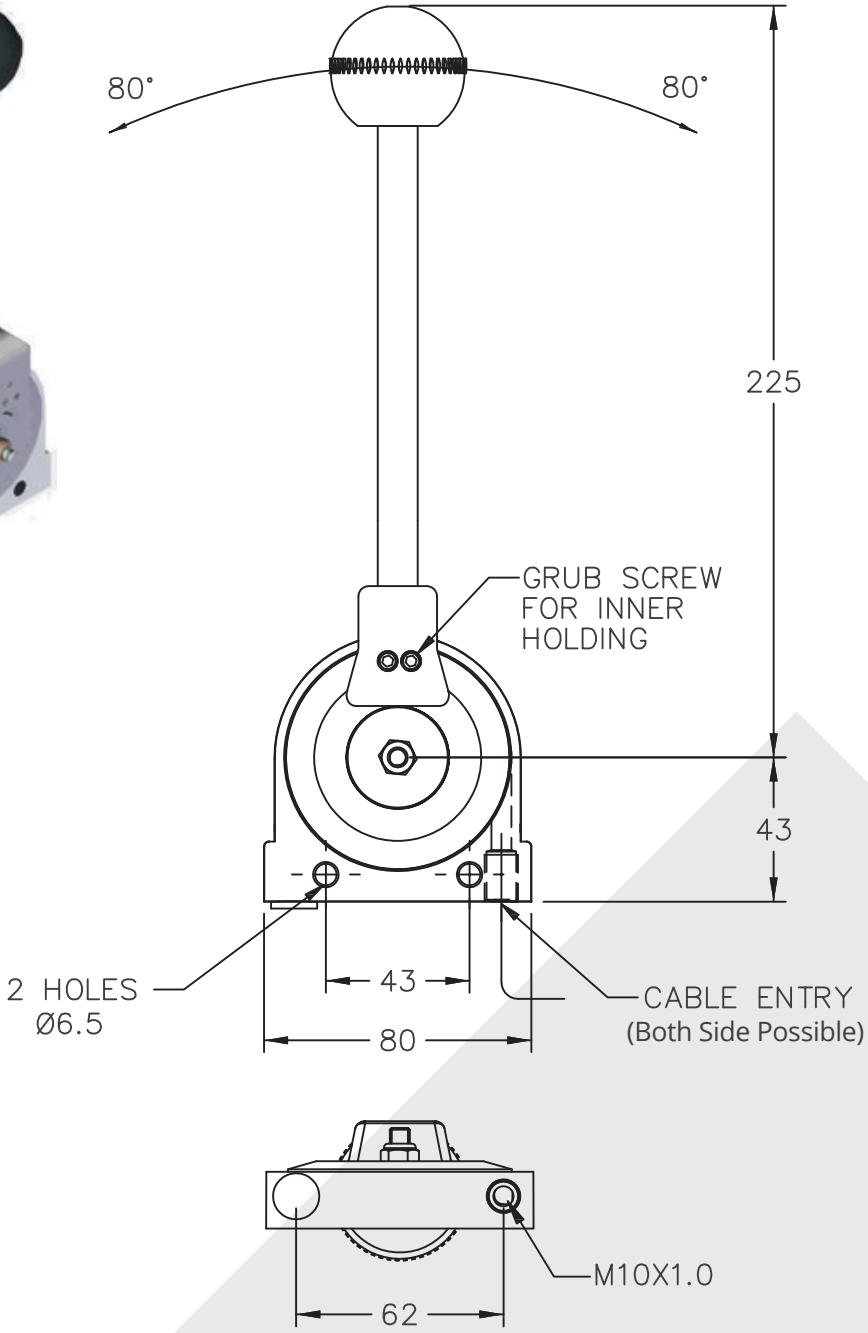


- Ÿ Hand Throttle Lever in Aluminium Alloy Die Cast construction
- Ÿ Suitable for light to moderate Pull only or Push Pull loads.
- Ÿ Recommended maximum travel 80mm for angular motion of 160o.
- Ÿ Maximum load 10 Kg.
- Ÿ Various detent options available. Some examples are shown above.

Note :-
Handle movement should not exceed 30o from center towards cable entry side.

HAND THROTTLE XTL-420



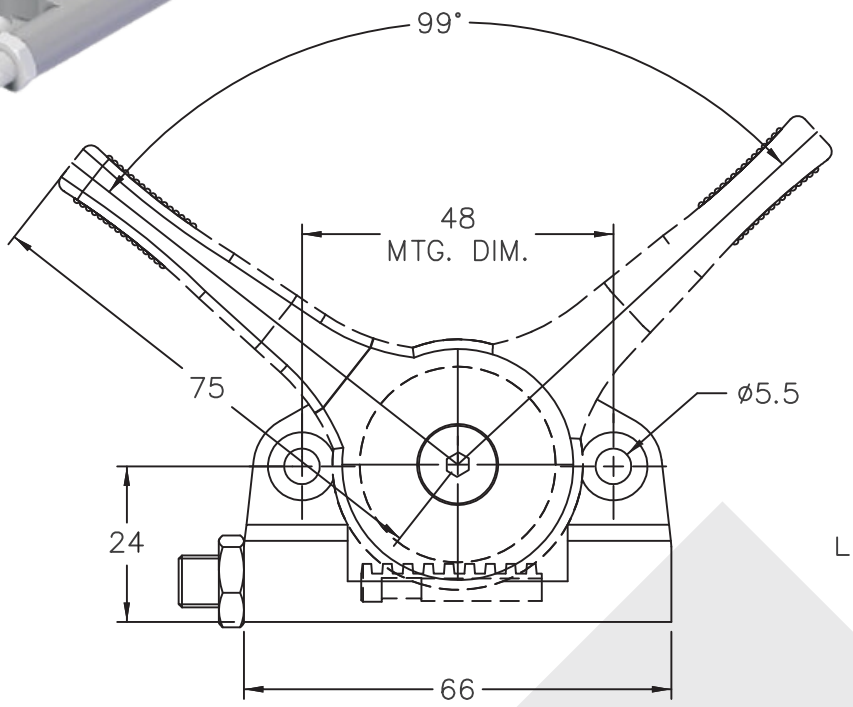


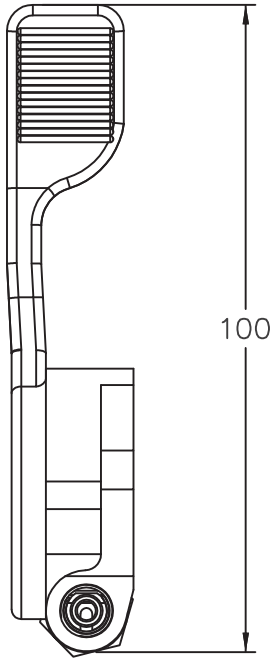
- Hand Throttle Lever in Aluminium Alloy Die Cast construction Suitable
- for light to moderate Pull only or Push Pull loads.
- Recommended maximum travel 80mm for angular motion of 160°.
- Maximum load 10 Kg.

Note :-
Handle movement should not exceed 30o from center towards cable entry side.

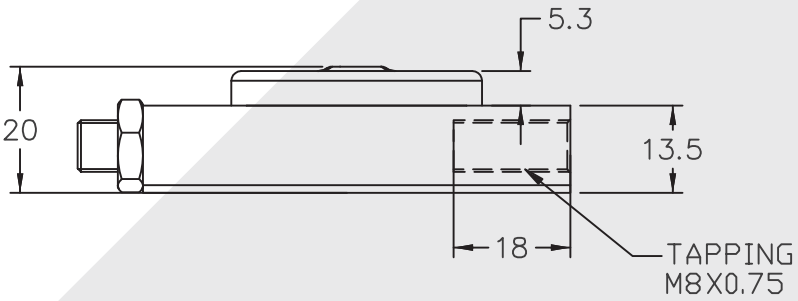
HAND THROTTLE XTL-500





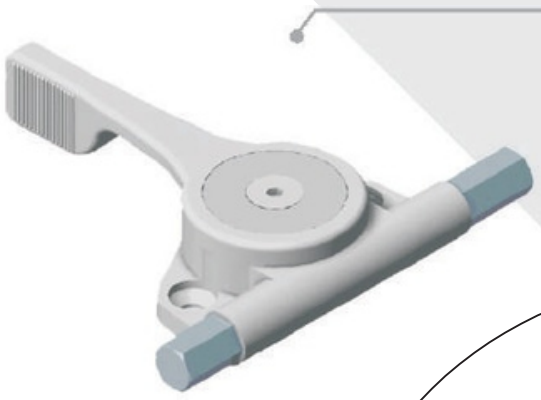


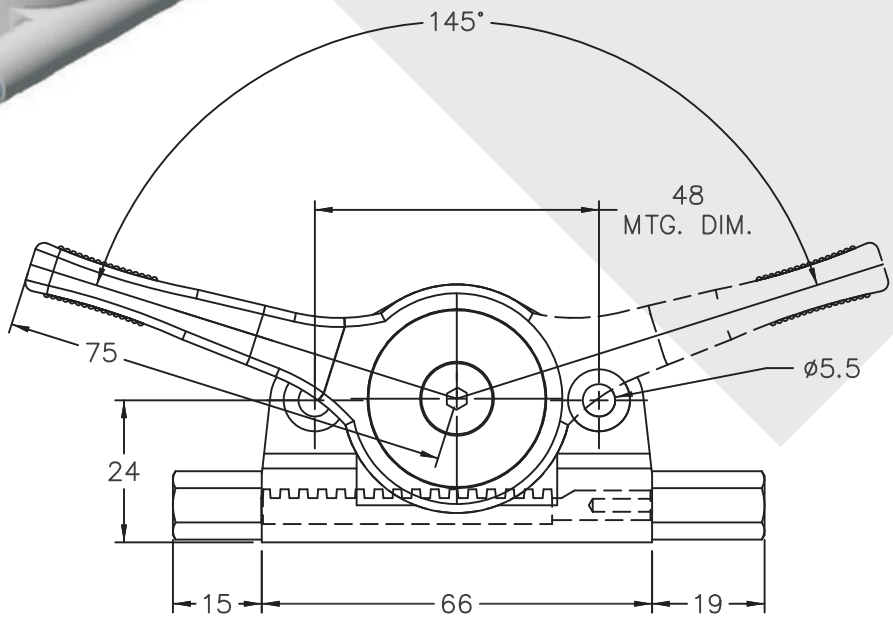
LEVER AT VERTICAL POSITION

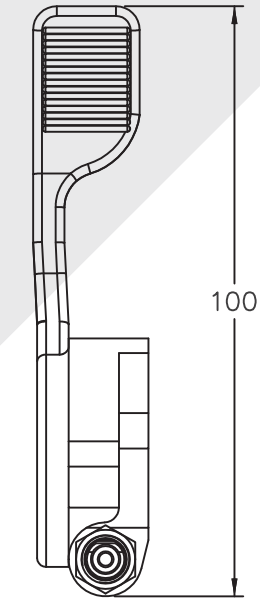


- Light duty rack & pinion control with detent as shown.
- Standard travel 27mm for 99° angular travel.
- Zinc Alloy based Housing.

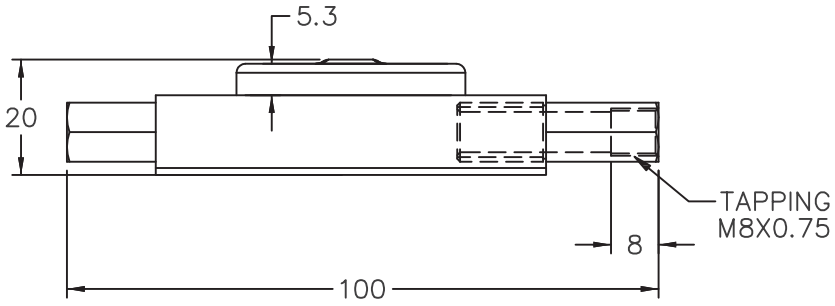
HAND THROTTLE
XTL-505





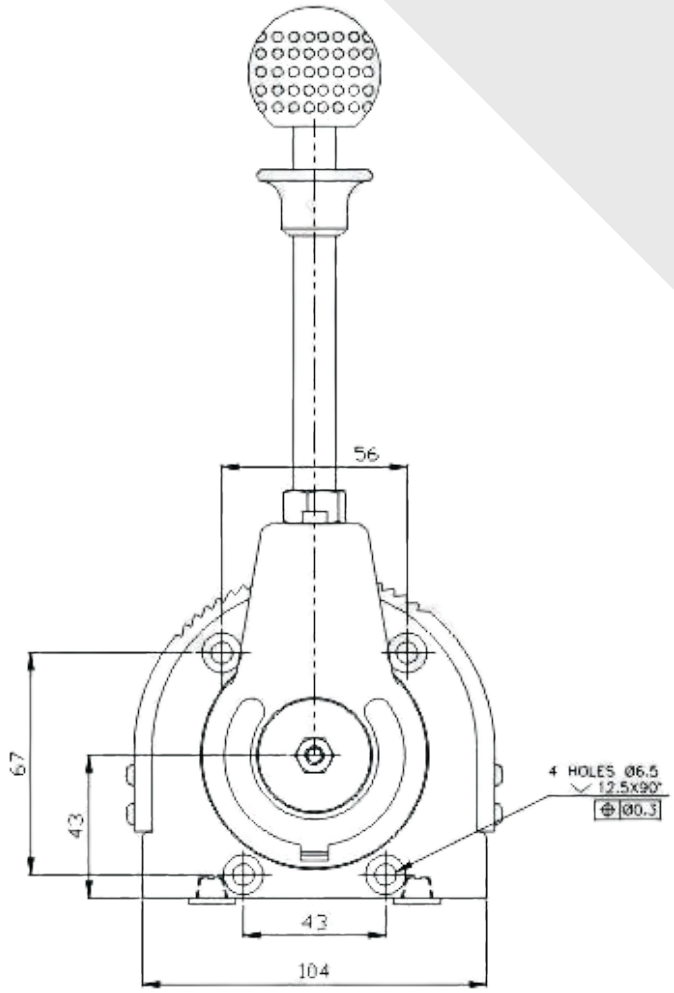


LEVER AT VERTICAL POSITION



- Light duty rack & pinion control with detent as shown.
- Standard travel 40mm for 145o angular travel.
- Zinc Alloy based Housing.

PARKT BRAKE LEVER XPB-305





Ratchet type parking brake lever.
Travel : 50mm Max.
Side mounted. Available in Zinc Alloy Die Cast construction.
Maximum load 20kg.
Adjustable travel stops.
Available with Switch Plate.

VALVE OPERATORS



XVL-500



XVL-505



XVL-520



XVL-522



XVL-620



XVL-622



XVL-650



XVL-660



XVL-670



XVL-672



XVL-700



XVL-705



XVL-800



XVL-805



XVL-810



XVL-900



XVL-902



XVL-920



XVL-940

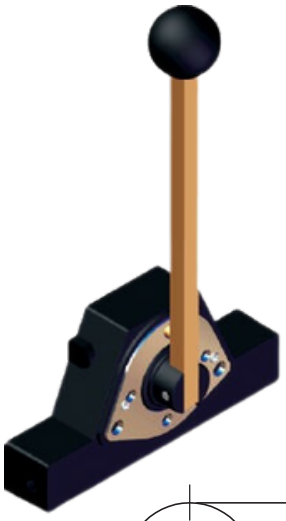


XFR-100



XFR-200

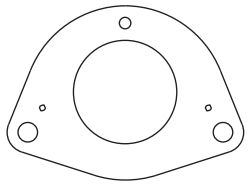
VALVE OPERATOR XVL-500



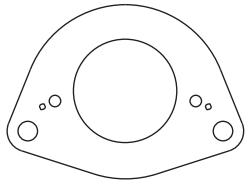
DETENT POSITIONS

- **1 = CENTER DETENT**
- **2 = MAX-MIN DETENT**
- **3 = MAX - CENTER - MIN DETENT**

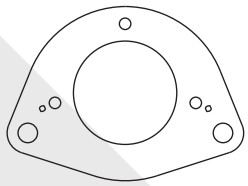
DETENT OPTIONS:-



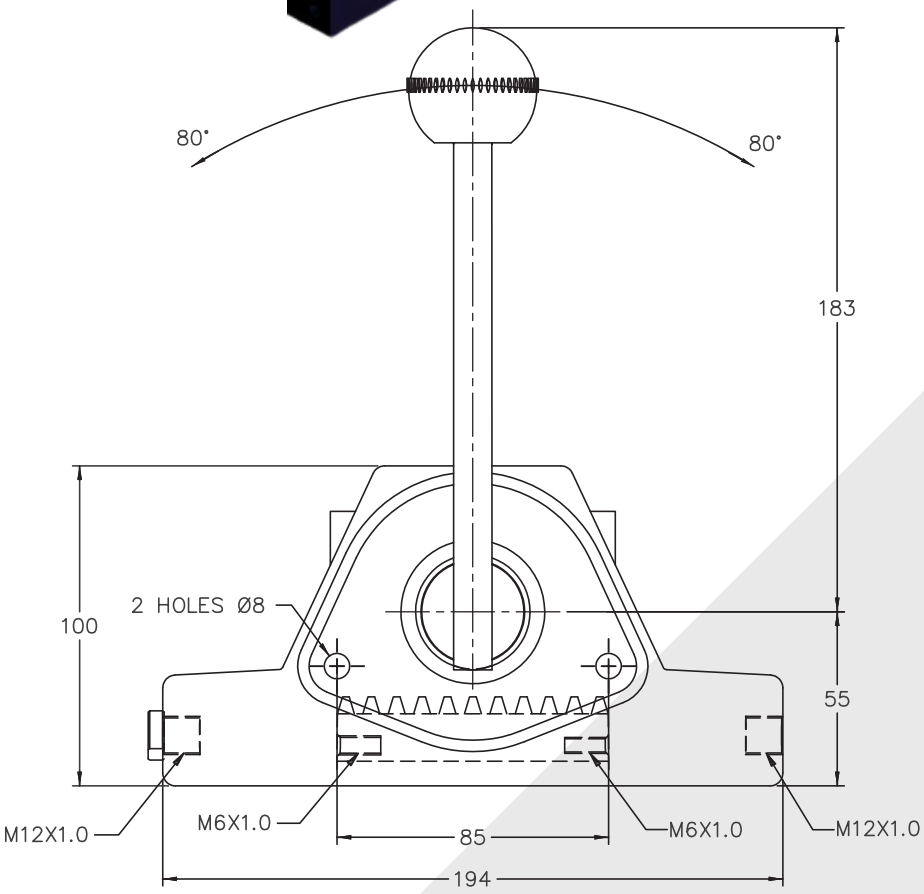
CENTER (CODE-1)

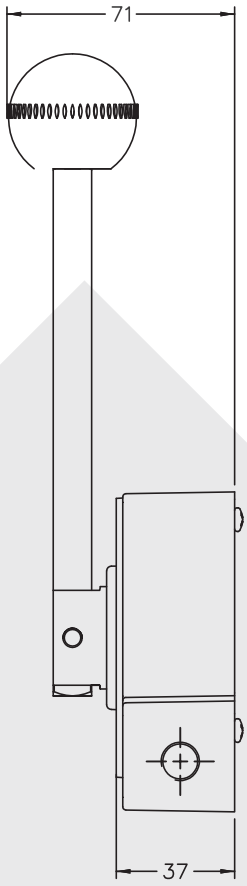


MAX-MIN (CODE-2)



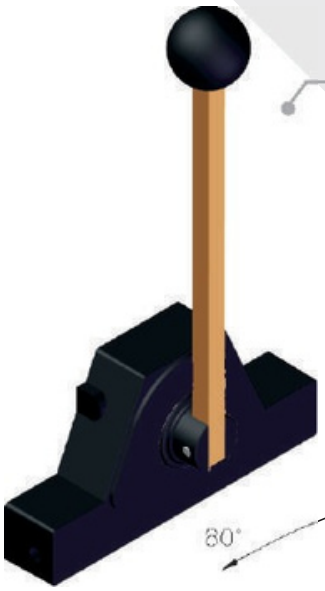
MAX-CENTER-MIN (CODE-3)

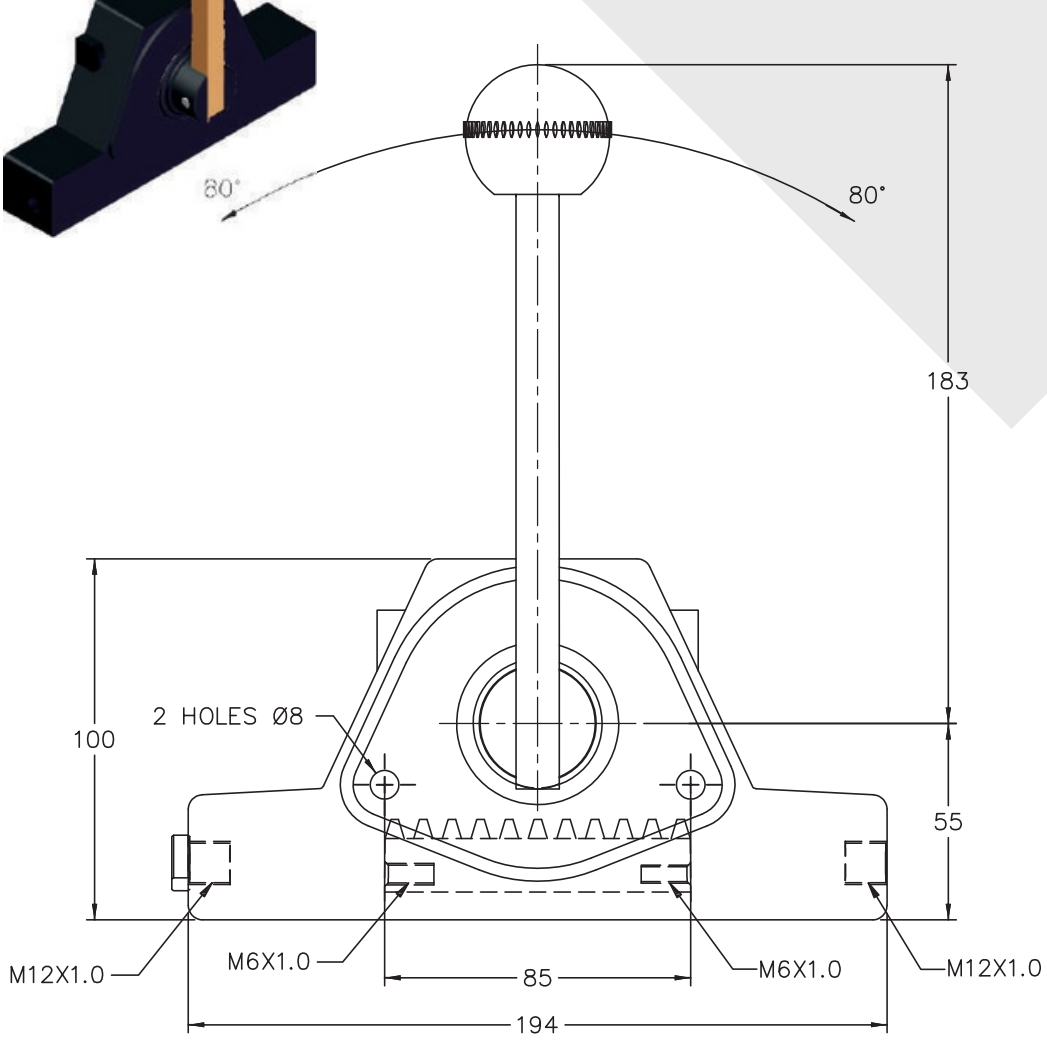


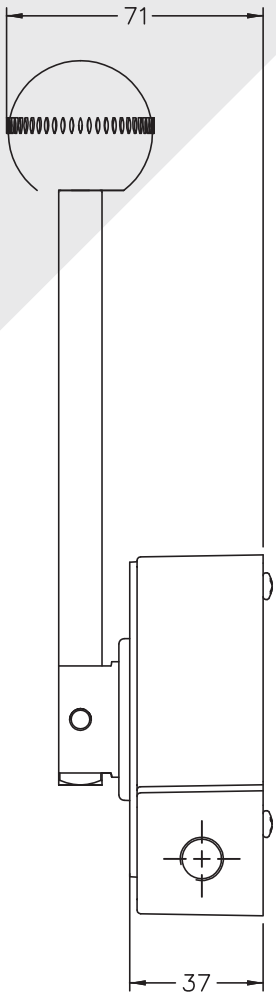


- Zinc alloy heavy duty Rack Lever.
- Total Travel : 80mm.
- Maximum load 100 Kg.
- Optional 1/2/3 lock positions.
- Also available in non locking construction.
- Black Colored Knob.

VALVE OPERATOR
XVL-505



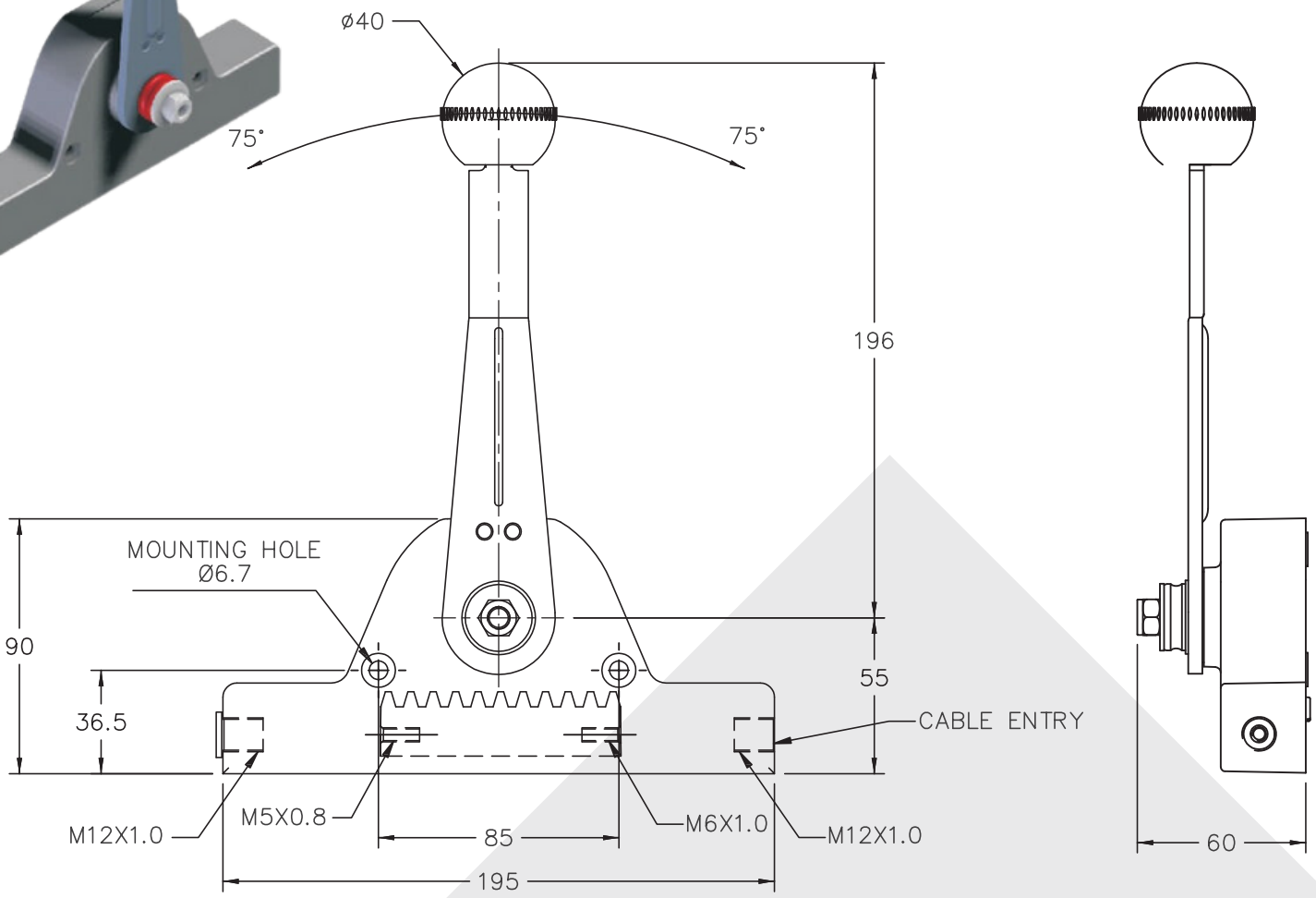




- Zinc alloy heavy duty Rack Lever.
- Total Travel : 80mm.
- Maximum load 100 Kg.
- Non Locking Construction.
- Black Colored Knob.

VALVE OPERATOR XVL-520

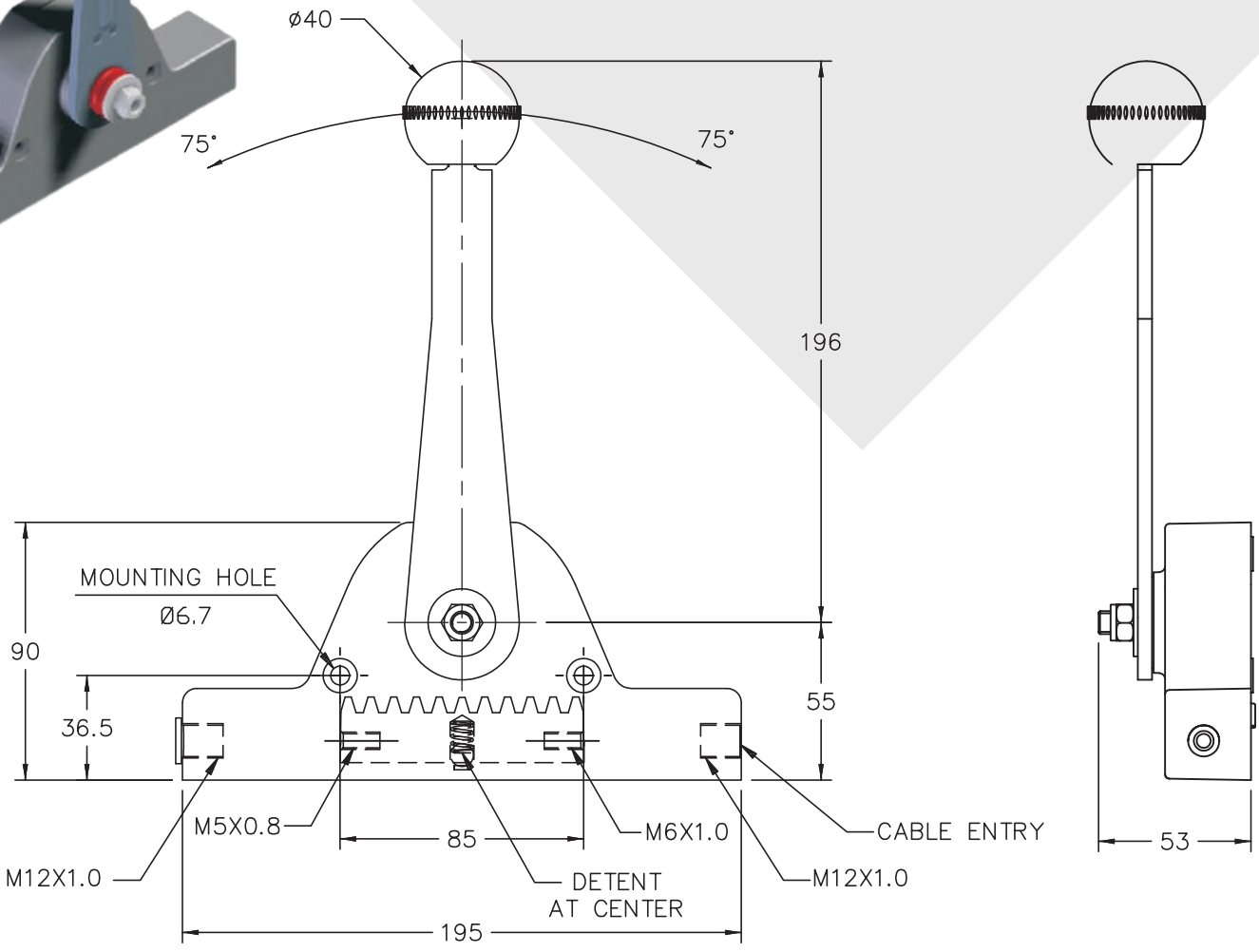




- Zinc alloy body and Rack Lever Mechanism.
- Total Travel : 80mm Max.
- Maximum load 60 Kg.
- Black Colored Knob.

VALVE OPERATOR
XVL-522





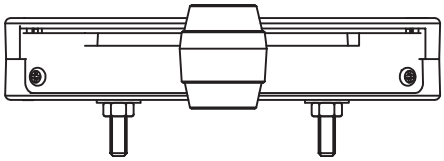
- Ÿ Zinc alloy body and Rack Lever Mechanism.
- Ÿ Max. Travel : 80mm.
- Ÿ Maximum load 60 Kg.
- Ÿ Black Colored Knob.
- Ÿ Detent at Center Position.

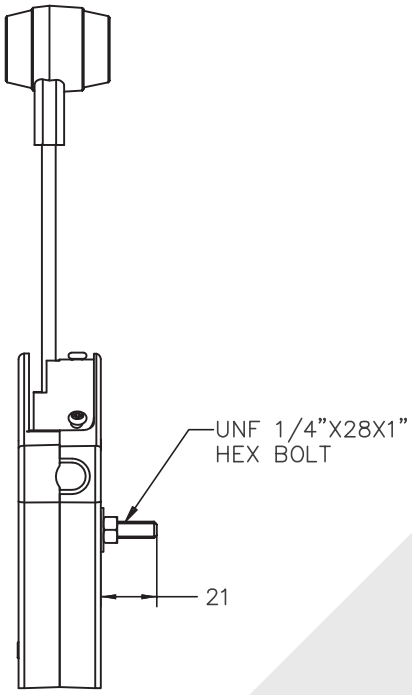
VALVE OPERATOR XVL-620

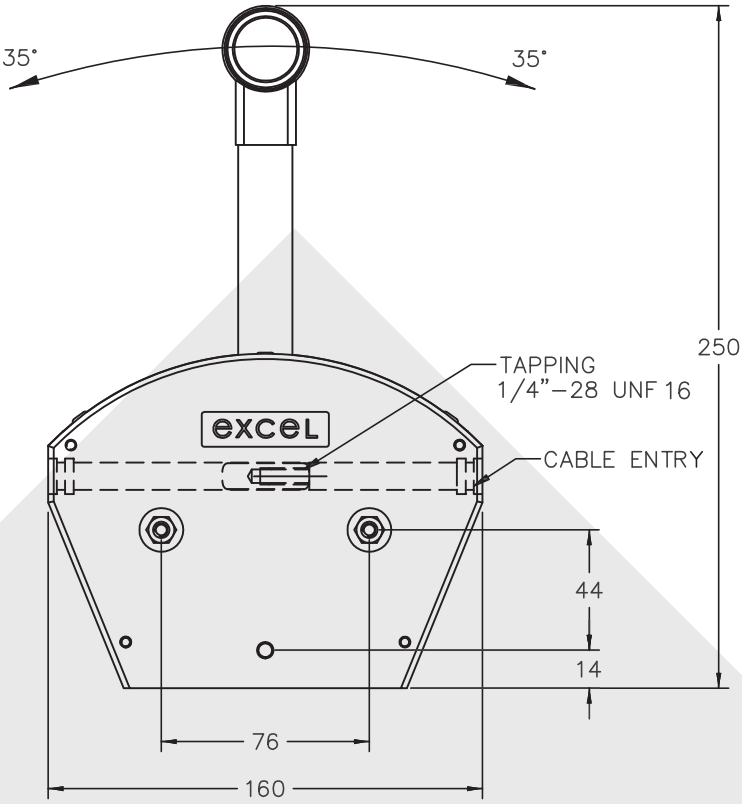


X
- 0 - NO GATE PLATE
- 1 - SINGLE POSITION RESTRICTED TRAVEL
- 2 - TWO POSITION RESTRICTED TRAVEL

Y
- 3 - PLAIN GATE PLATE
- B - WITH BLACK POWDER COATED
- N - WITHOUT POWDER COATED

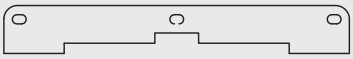






- Ÿ Zinc alloy body Valve Operator.
- Ÿ Suitable for PTO operations
- Ÿ Total travel : 80mm.
- Ÿ Max load 45 kg.
- Ÿ Various gate options available.
- Ÿ 1/4" UNF End Rod threading is standard.
- Ÿ Bottom mounting option available.
- Ÿ Black Colored Knob.

GATE PLATE OPTIONS



SINGLE POSITION
RESTRICTED TRAVEL (CODE-1)



TWO POSITION
RESTRICTED TRAVEL (CODE-2)



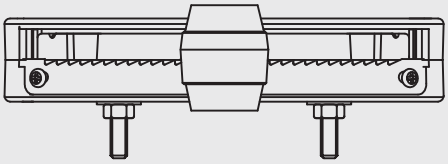
PLAIN GATE PLATE (CODE-3)

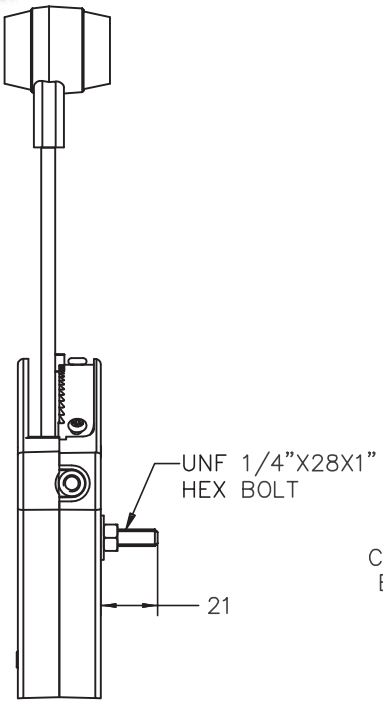
VALVE OPERATOR
XVL-622

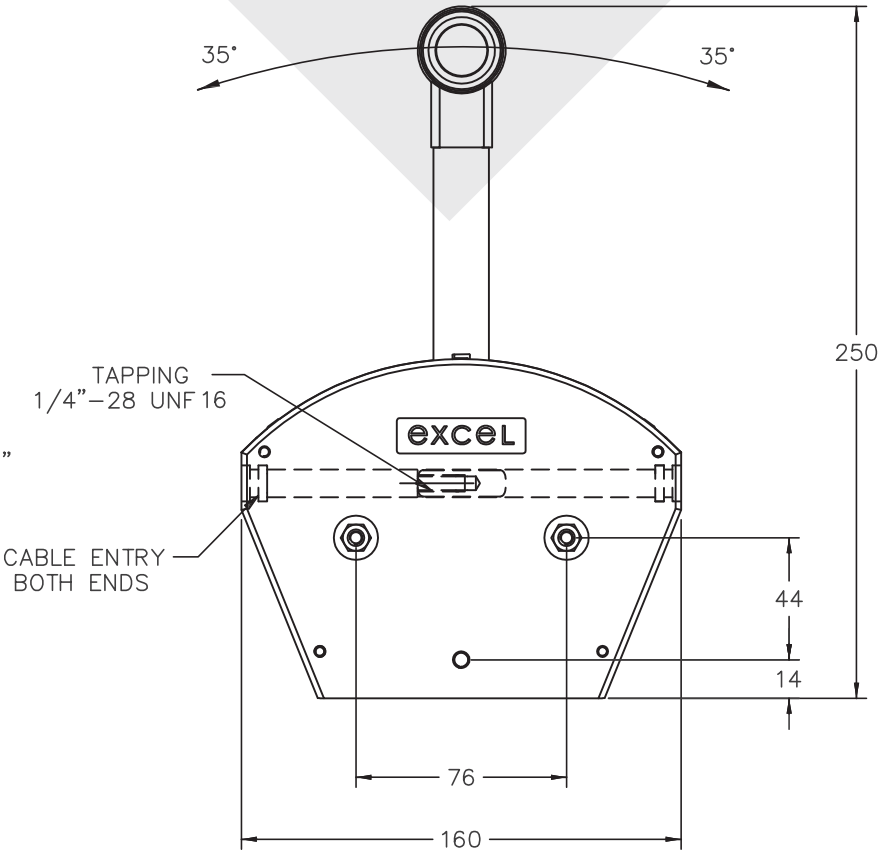


1 - RATCHET - FULL TRAVEL LEFT
2 - RATCHET - FULL TRAVEL RIGHT

Y
B - WITH BLACK POWDER COATED
N - WITHOUT POWDER COATED





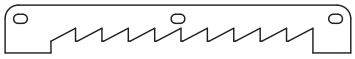


- Zinc alloy body Valve Operator.
- Suitable for PTO operations
- Total travel : 80mm.
- Max load 45 kg.
- Gate options : left & right ratchet.
- 1/4" UNF End Rod threading is standard.
- Bottom mounting option available.
- Black Colored Knob.

GATE PLATE OPTIONS



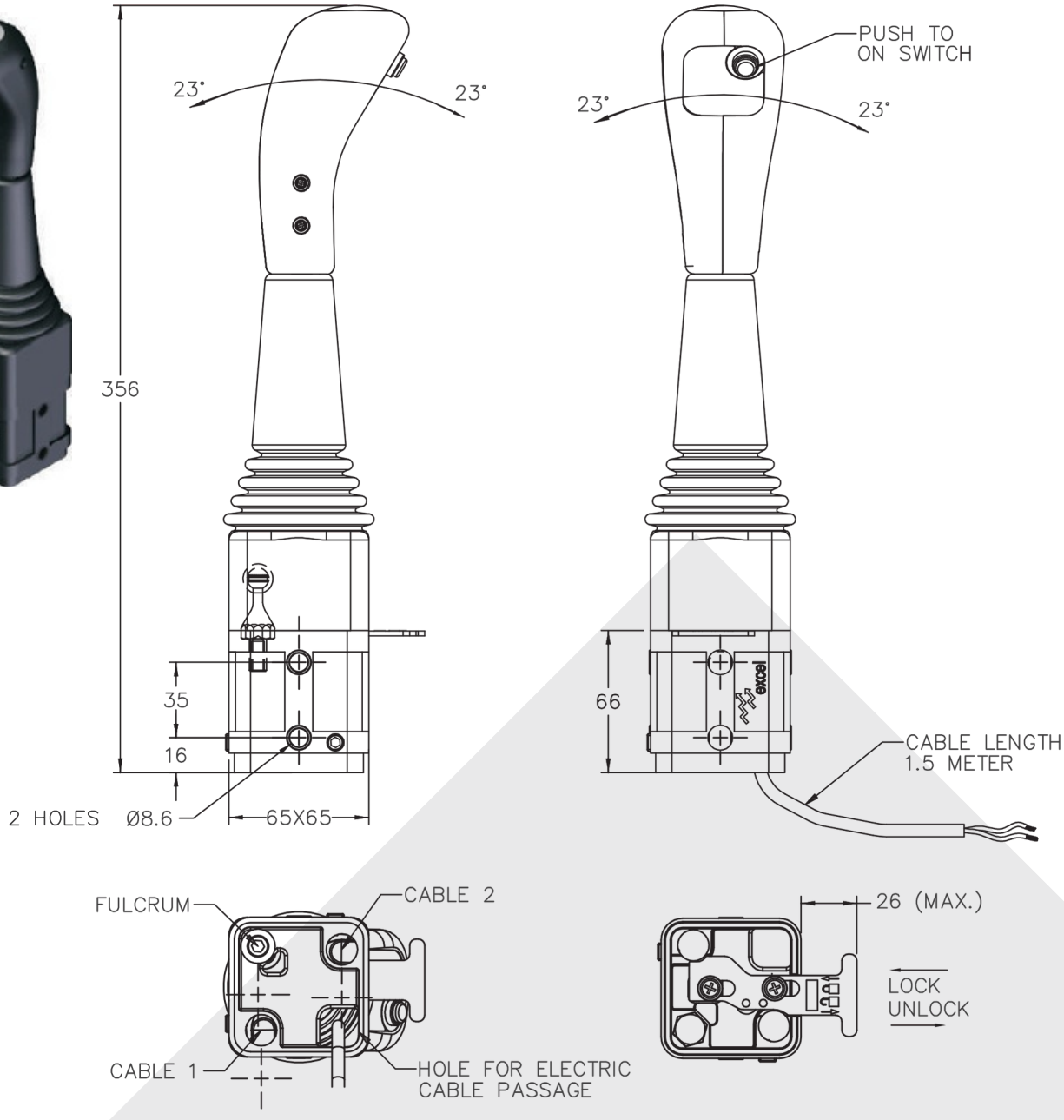
RATCHET - LEFT (CODE-1)



RATCHET - RIGHT (CODE-2)

VALVE OPERATOR XVL-650

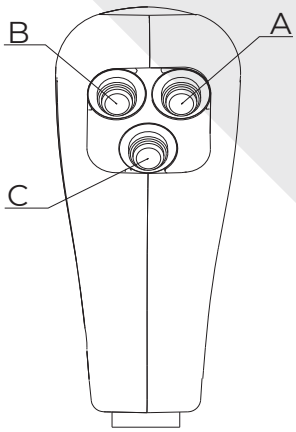




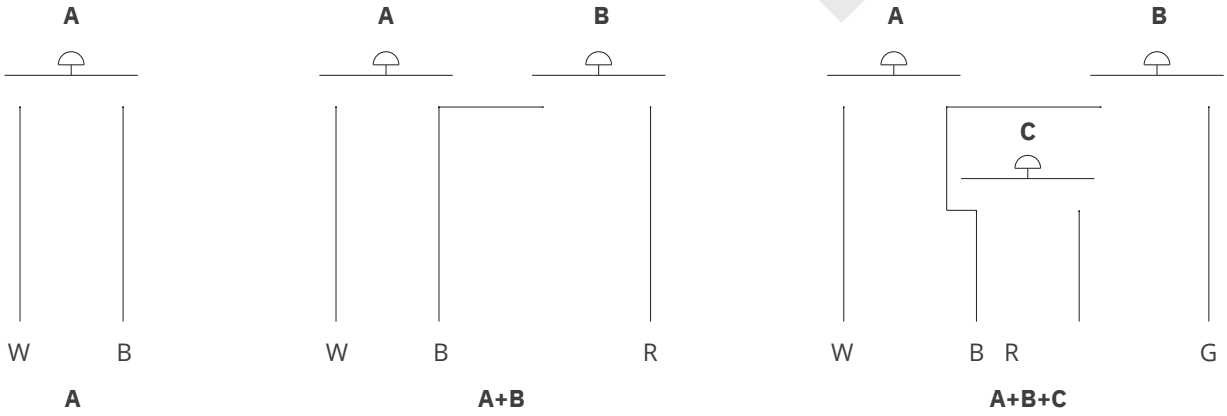
VALVE OPERATOR XVL-650

SWITCH OPTIONS

- **0 - WIRE CONTROL GRIP WITHOUT SWITCH**
- **1 - WIRE CONTROL GRIP INCLUDING SWITCH A**
- **2 - WIRE CONTROL GRIP INCLUDING SWITCH A+B**
- **3 - WIRE CONTROL GRIP INCLUDING SWITCH A+B+C**



WIRING DIAGRAM



W=WHITE(2)
B=BLACK(1)
R=RED(3)
G=GREEN(4)

SWITCH SPECIFICATION:

1) MODEL : NKK SWITCH MB 2011.
2) WORKING OPERATION : PUSH TO ON.
3) ELECTRICAL SWITCHES RATED :12V 6AMP.
4) SWITCH MOUNTING TYPE : 12MM DIA. THREADED BUSHING WITH KEY.
5) COLOUR FOR ACTUATOR : BLACK.
6) TERMINAL : SOLDER LUG TERMINALS SINGLE POLE

VALVE OPERATOR XVL-650

XVL-650 ELECTRIC SWITCH PLATES



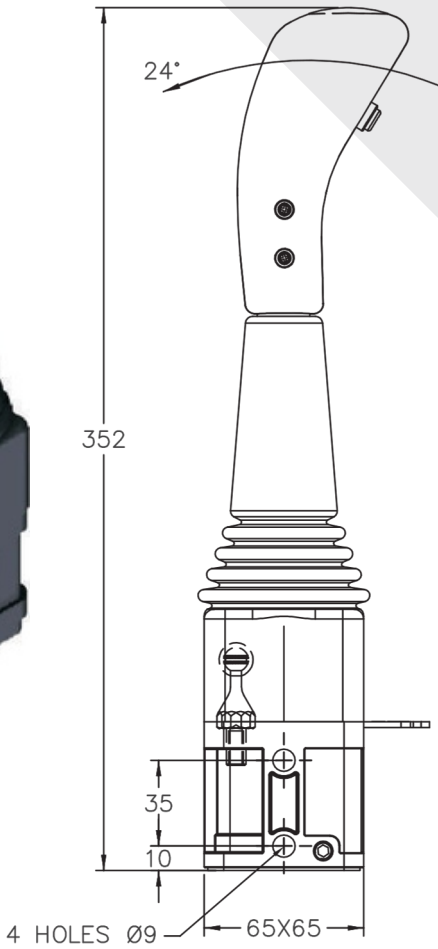


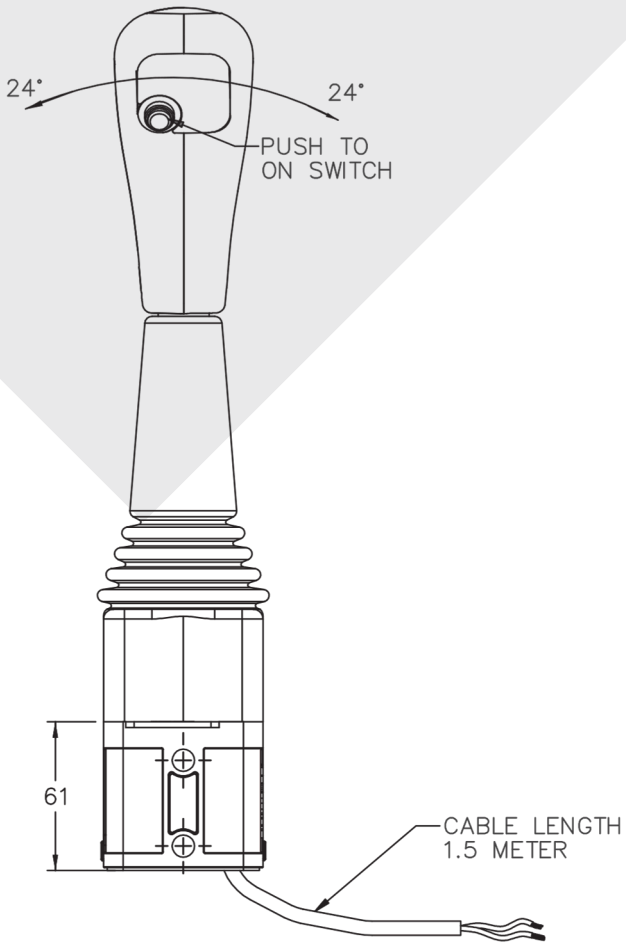
Exchangeable Plate
Easy for the customer to change plate with pre-mounted switches and electrical cable.

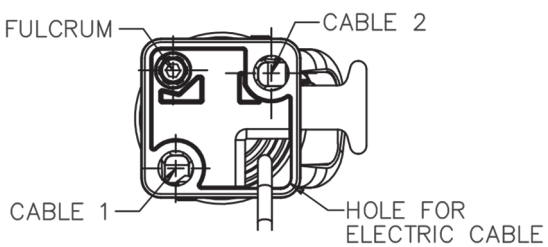
XVL-650-A	XVL-650-B	XVL-650-C	XVL-650-D
			
Switch plate w/o electric switches	Swiitch plate with 1 electric switch	Switch plate with 2 electric switches	Switch plate with 3 electric switches

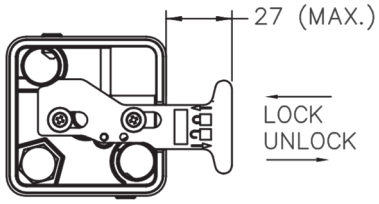
VALVE OPERATOR XVL-660







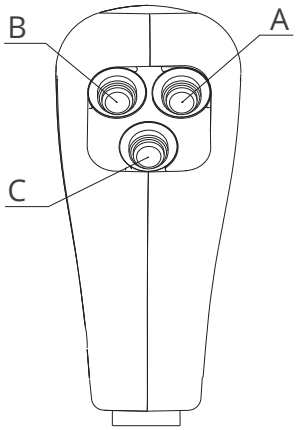




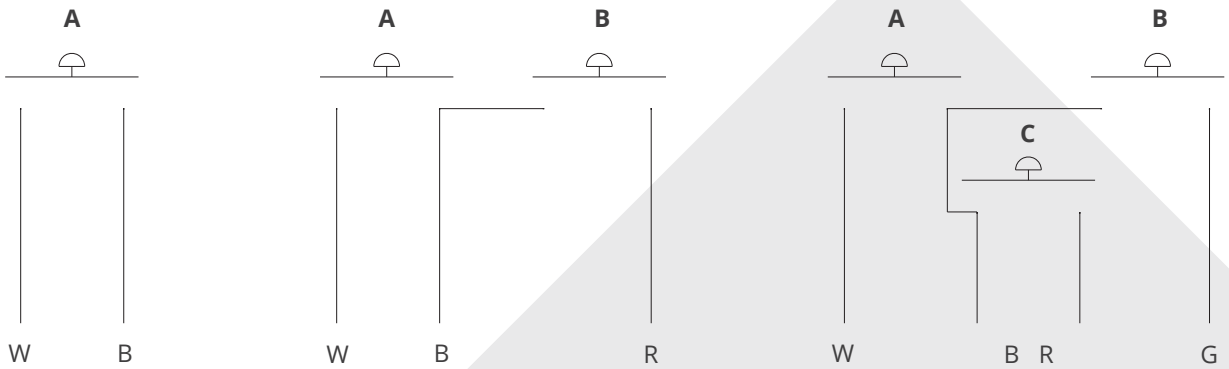
VALVE OPERATOR XVL-660

SWITCH OPTIONS

- **0 - WIRE CONTROL GRIP WITHOUT SWITCH**
- **1 - WIRE CONTROL GRIP INCLUDING SWITCH A**
- **2 - WIRE CONTROL GRIP INCLUDING SWITCH A+B**
- **3 - WIRE CONTROL GRIP INCLUDING SWITCH A+B+C**



WIRING DIAGRAM



W = WHITE(2)
B = BLACK(1)
R = RED(3)
G = GREEN(4)

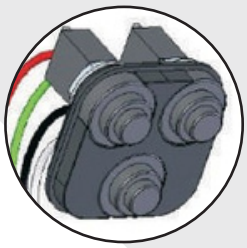
SWITCH SPECIFICATION:

1) MODEL : NKK SWITCH MB 2011.
2) WORKING OPERATION : PUSH TO ON.
3) ELECTRICAL SWITCHES RATED :12V 6AMP.
4) SWITCH MOUNTING TYPE : 12MM DIA. THREADED BUSHING WITH KEY.
5) COLOUR FOR ACTUATOR : BLACK.
6) TERMINAL : SOLDER LUG TERMINALS SINGLE POLE

VALVE OPERATOR XVL-660

XVL-660 ELECTRIC SWITCH PLATES



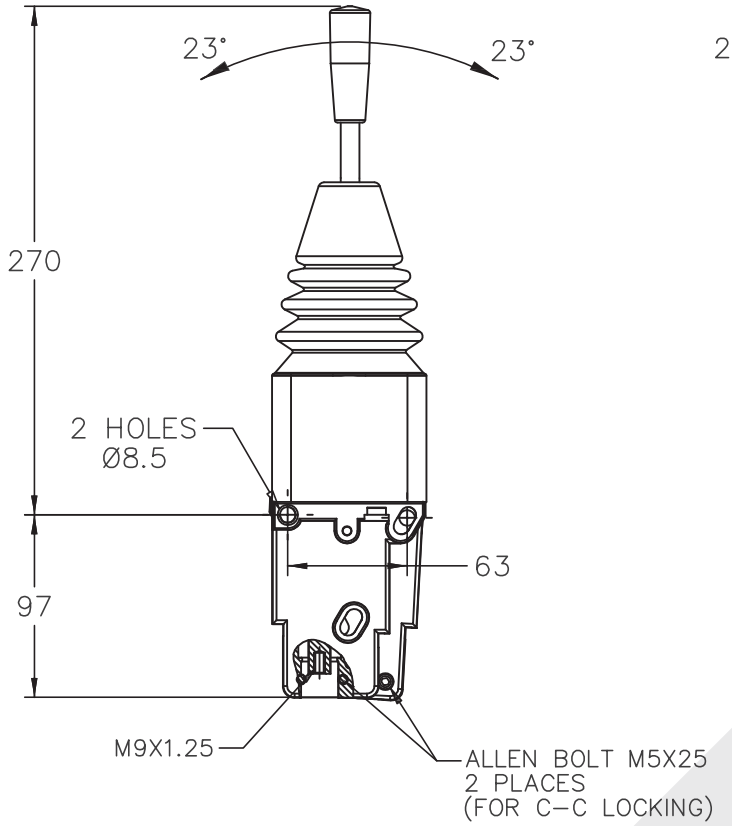


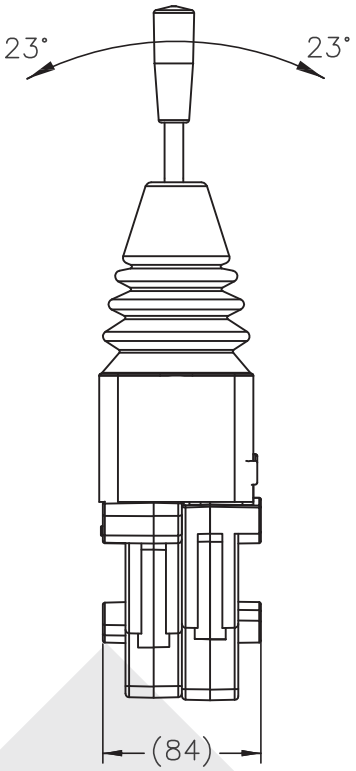
Exchangeable Plate
Easy for the customer to change plate with pre-mounted switches and electrical cable.

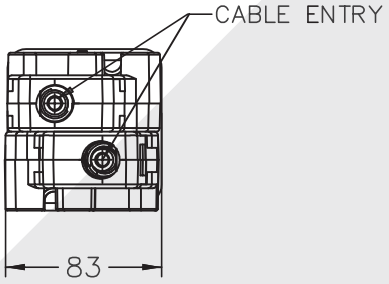
XVL-660-A	XVL-660-B	XVL-660-C	XVL-660-D
			
Switch plate w/o electric switches	Swiitch plate with 1 electric switch	Switch plate with 2 electric switches	Switch plate with 3 electric switches

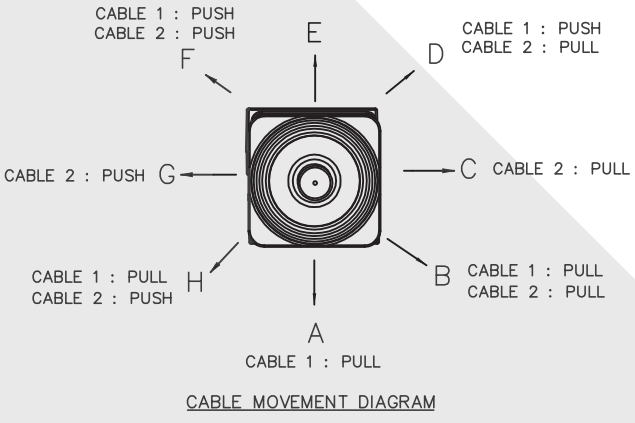
VALVE OPERATOR XVL-670









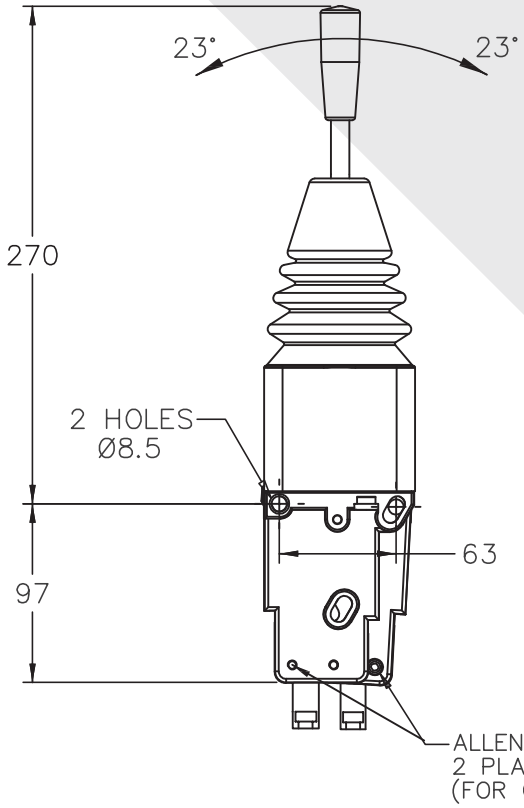


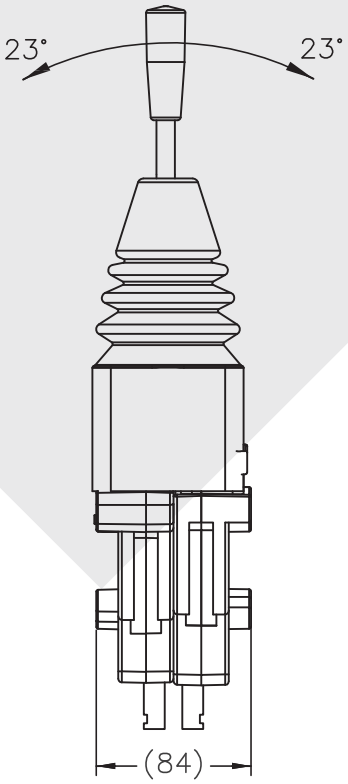
CABLE MOVEMENT DIAGRAM

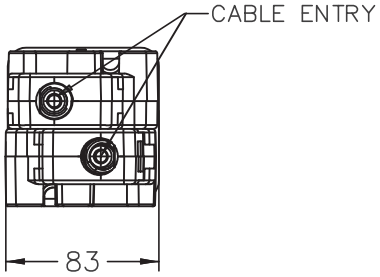
- Zinc Alloy Twin Control Joystick Lever.
- Travel = 13+13 mm (max) at Each Terminal.
- 13+13 mm (max) at Both Common Terminal.
- Max load 50 Kg.
- Available with different valve connection kits.
- Black Colored Knob.

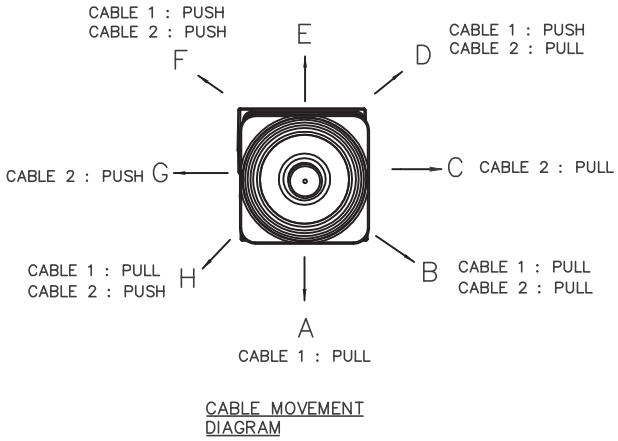
VALVE OPERATOR
XVL-672







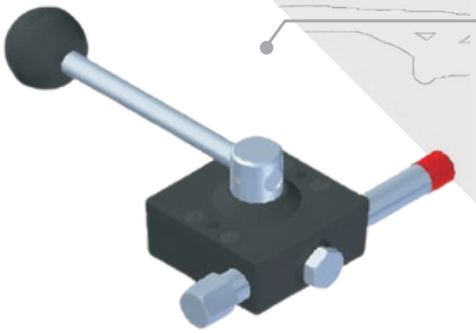


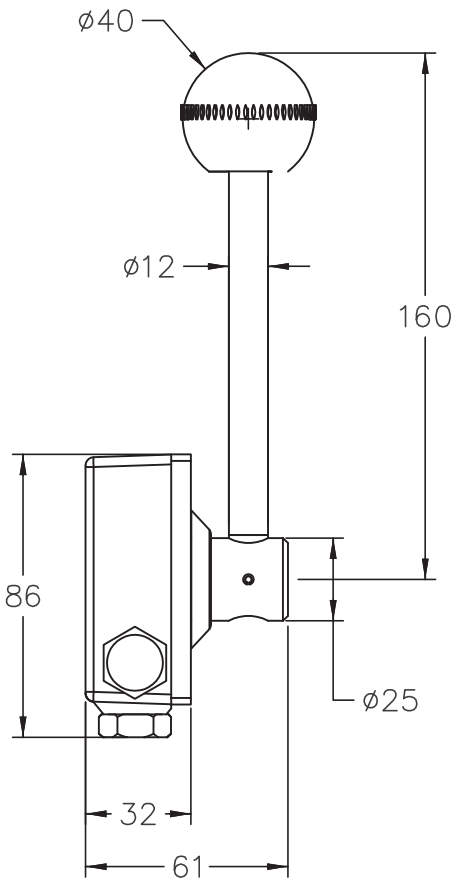


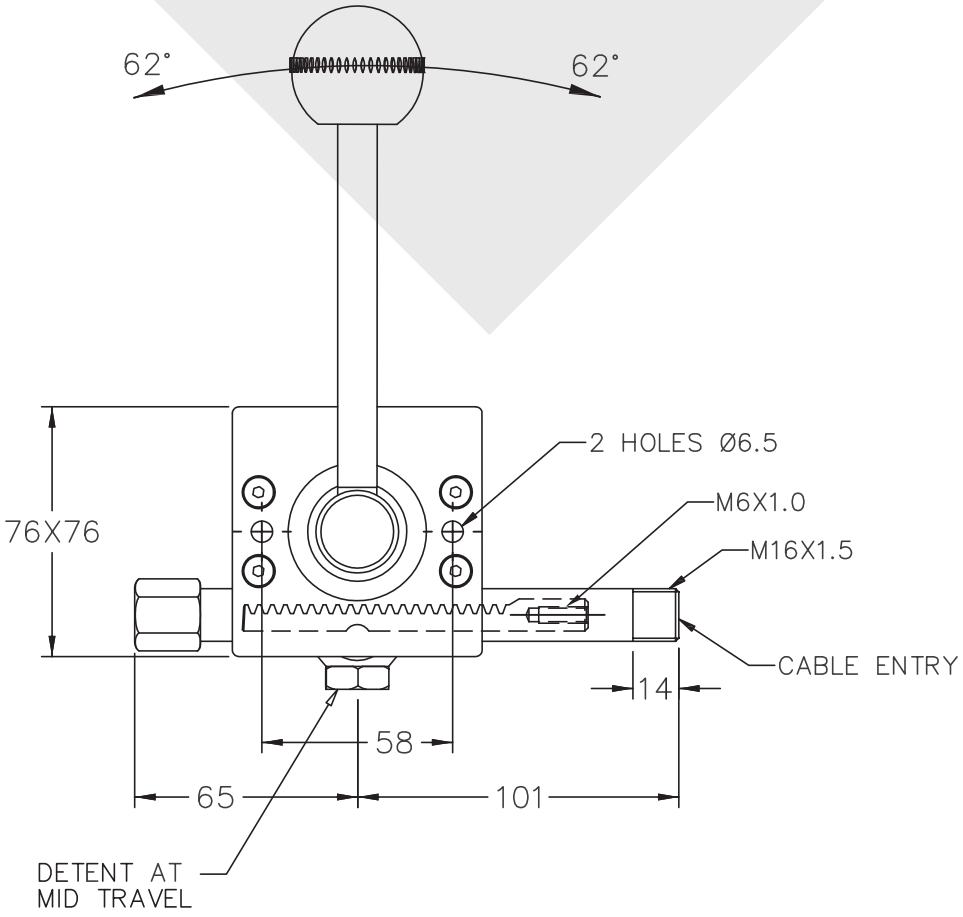
CABLE MOVEMENT DIAGRAM

- Zinc Alloy Twin Control Joystick Lever.
- Travel = 13+13 mm (max) at Each Terminal.
- 13+13 mm (max) at Both Common Terminal.
- Max load 50 Kg.
- Available with different valve connection kits.
- Black Colored Knob.

VALVE OPERATOR XVL-700

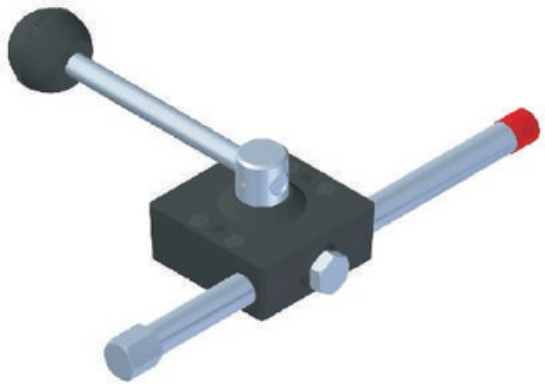


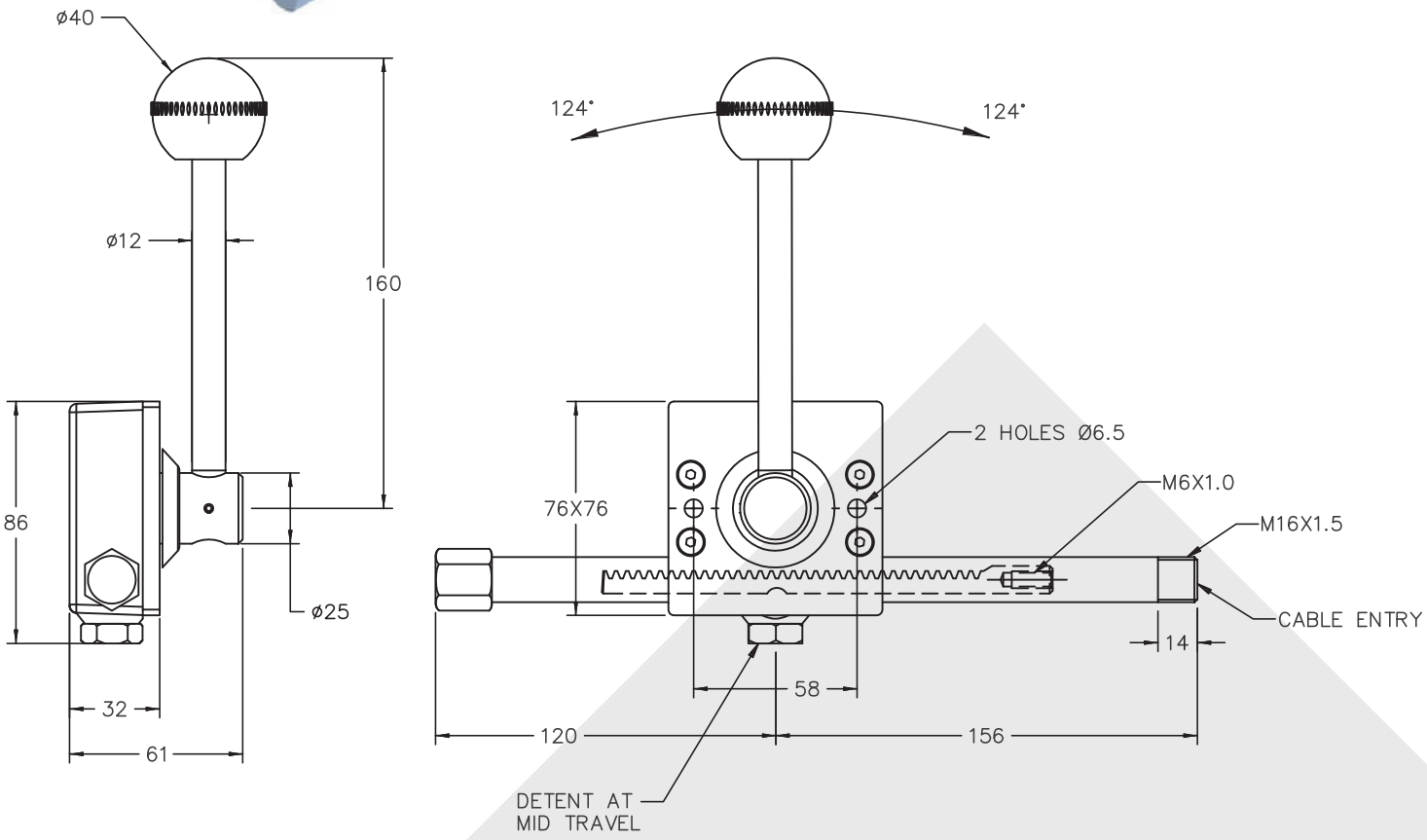




- Light duty rack & pinion control with detent.
- Standard travel 50mm.
- Aluminum housing & steel gear set.
- Suitable for hydraulic motor control.
- Black Colored Knob.

VALVE OPERATOR XVL-705





- Light duty rack & pinion control with detent.
- Standard travel 100mm.
- Aluminum housing & steel gear set.
- Suitable for hydraulic motor control.
- Black Colored Knob.

VALVE OPERATOR XVL-800

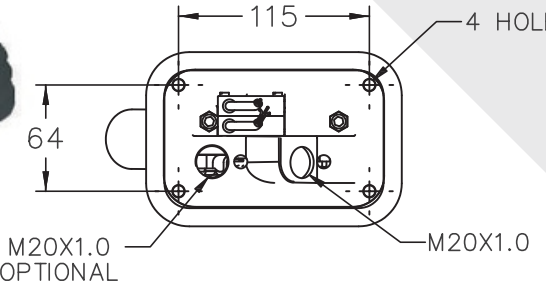


CONNECTOR
- 0 - Without Connector
- 1 - Deutsch Connector

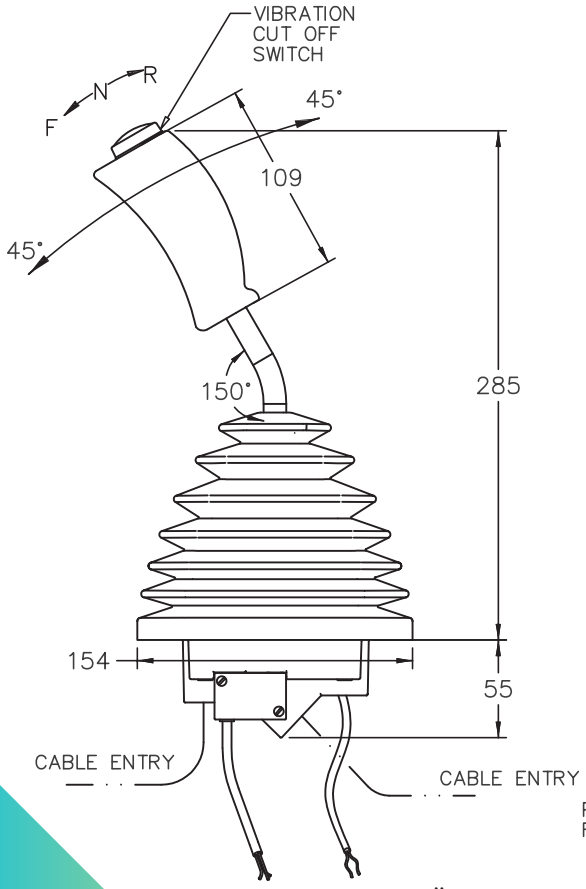
SENSING SWITCH FOR FWR/REV (BACK UP ALARM)
- 0 - No Switch
- 1 - Technic Sensor (NO)
- 2 - Technic Sensor (NC)
- 3 - Schonbuch Sensor (NO)
- 4 - Schonbuch Sensor (NC)

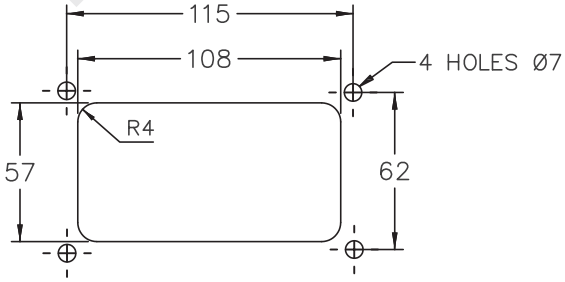
SENSING SWITCH FOR NEUTRAL START
- 0 - No Switch
- 1 - Technic Sensor (NO)
- 2 - Technic Sensor (NC)
- 3 - Schonbuch Sensor (NO)
- 4 - Schonbuch Sensor (NC)

VIBRATION CUT OFF/ HORN SWITCH
- 0 - No Switch
- 1 - Momentry ON
- 2 - Mech. Lock Type

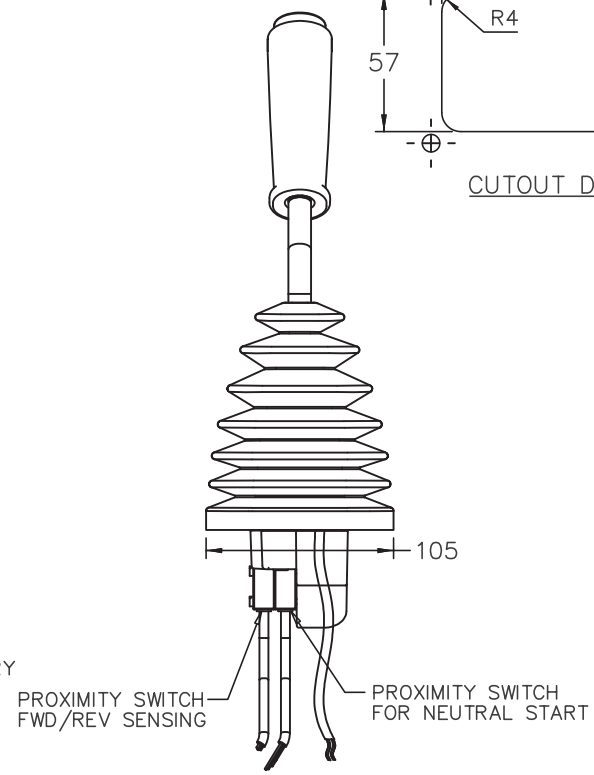


BACK VIEW
MOUNTING DETAILS





CUTOUT DETAILS



- Aluminum Alloy Die Cast construction.
- Maximum travel 60 mm.
- Suitable for hydraulic motor control.
- Maximum load 50 kg.
- Black Colored Knob.

VALVE OPERATOR XVL-805



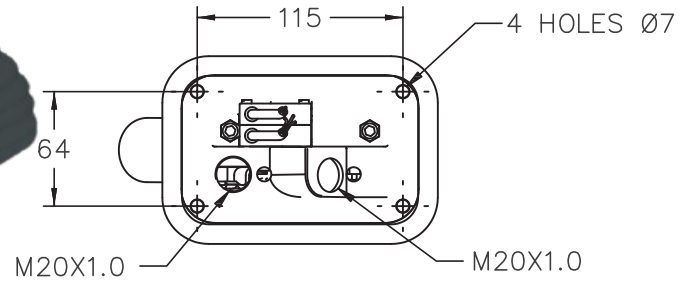
(BACK UP ALARM)

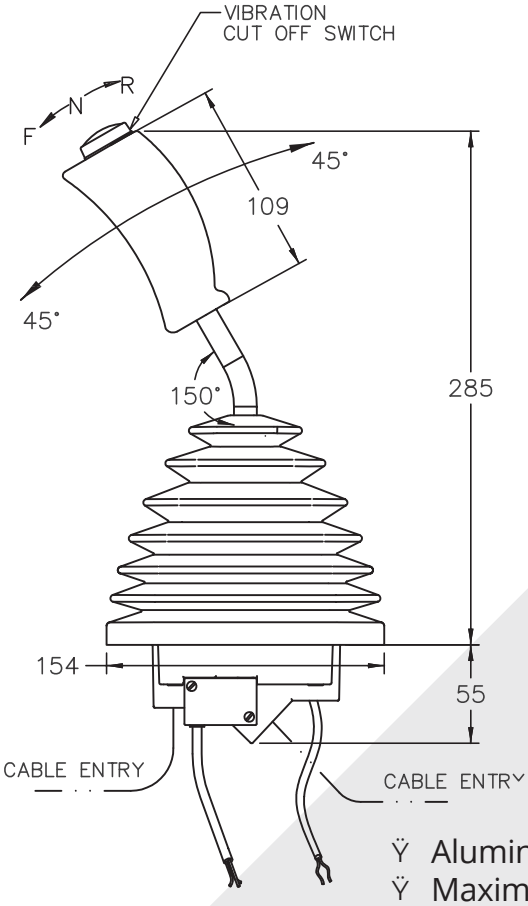
CONNECTOR
- **0 - Without Connector**
- **1 - Deutsch Connector**

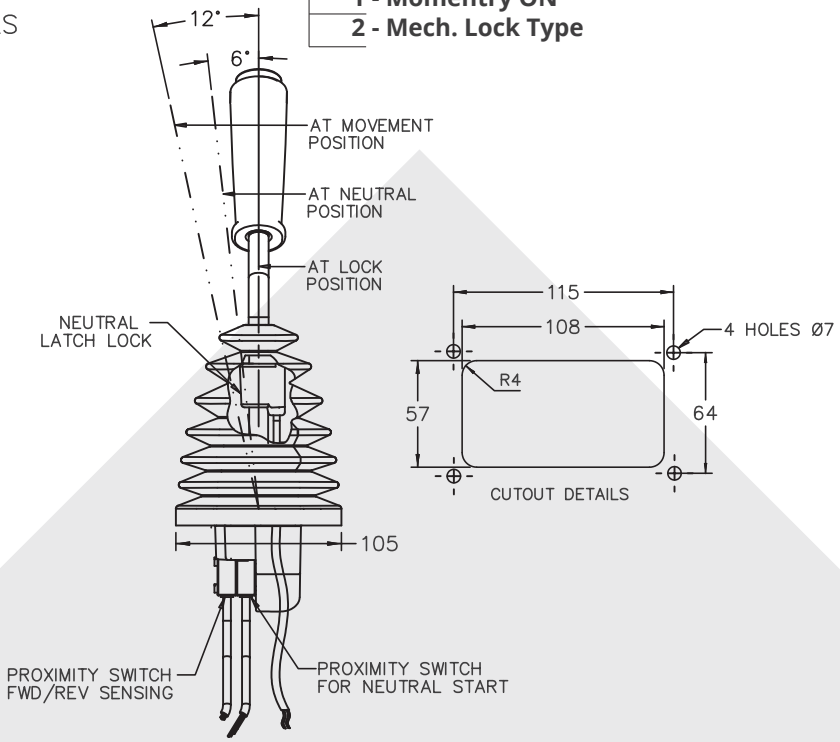
SENSING SWITCH FOR FWR/REV
- **0 - No Switch**
- **1 - Technic Sensor (NO)**
- **2 - Technic Sensor (NC)**
- **3 - Schonbuch Sensor (NO)**
- **4 - Schonbuch Sensor (NC)**

SENSING SWITCH FOR NEUTRAL START
- **0 - No Switch**
- **1 - Technic Sensor (NO)**
- **2 - Technic Sensor (NC)**
- **3 - Schonbuch Sensor (NO)**
- **4 - Schonbuch Sensor (NC)**

VIBRATION CUT OFF/ HORN SWITCH
- **0 - No Switch**
- **1 - Momentry ON**
- **2 - Mech. Lock Type**







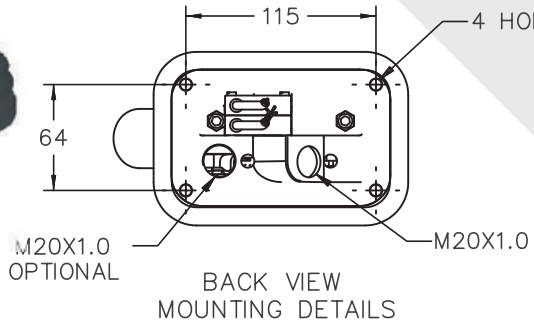
- Aluminum Alloy Die Cast construction.
- Maximum travel 60 mm.
- Suitable for hydraulic motor control.
- Maximum load 50 kg.
- Neutral latch lock lever.
- Black Colored Knob.

VALVE OPERATOR XVL-810



(BACK UP ALARM)

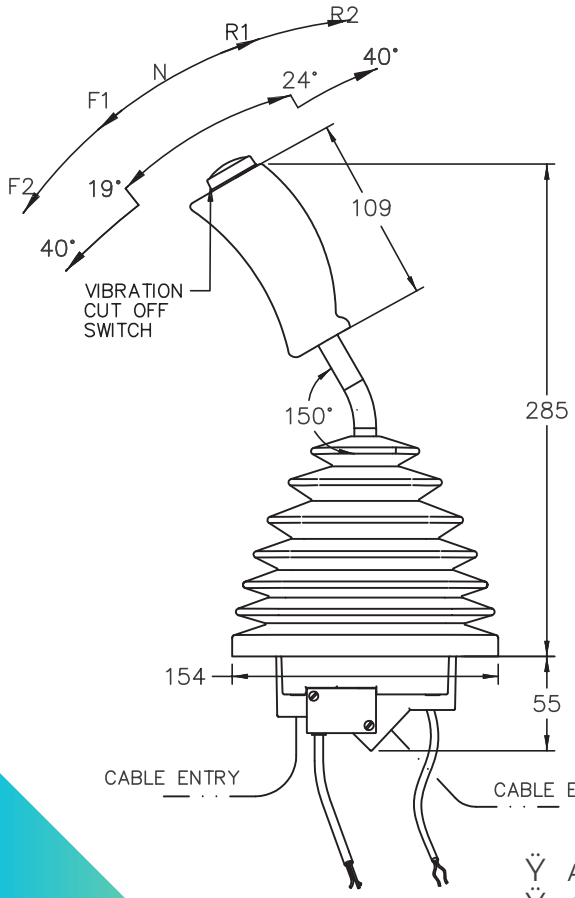
CONNECTOR
- **0 - Without Connector**
- **1 - Deutsch Connector**

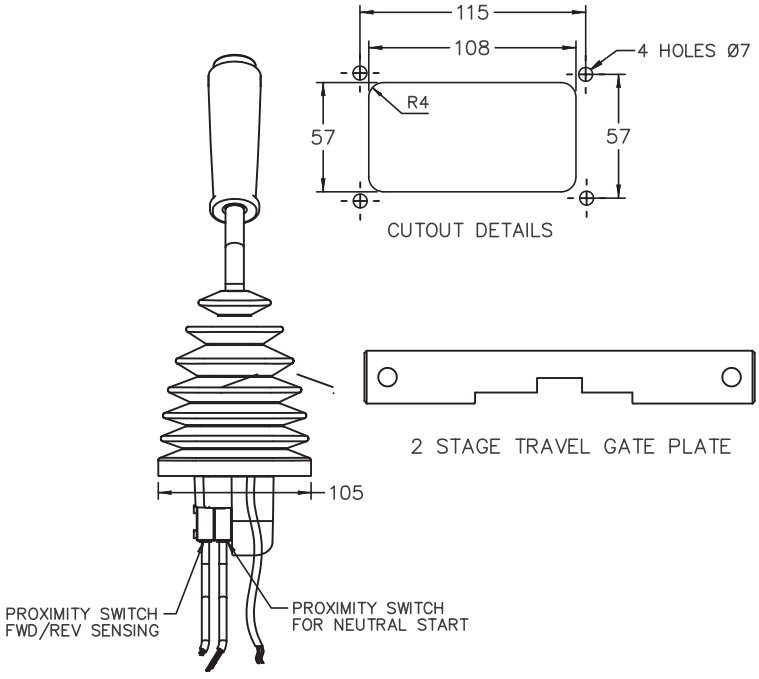


SENSING SWITCH FOR FWR/REV
- **0 - No Switch**
- **1 - Technic Sensor (NO)**
- **2 - Technic Sensor (NC)**
- **3 - Schonbuch Sensor (NO)**
- **4 - Schonbuch Sensor (NC)**

SENSING SWITCH FOR NEUTRAL START
- **0 - No Switch**
- **1 - Technic Sensor (NO)**
- **2 - Technic Sensor (NC)**
- **3 - Schonbuch Sensor (NO)**
- **4 - Schonbuch Sensor (NC)**

VIBRATION CUT OFF/ HORN SWITCH
- **0 - No Switch**
- **1 - Momentry ON**
- **2 - Mech. Lock Type**

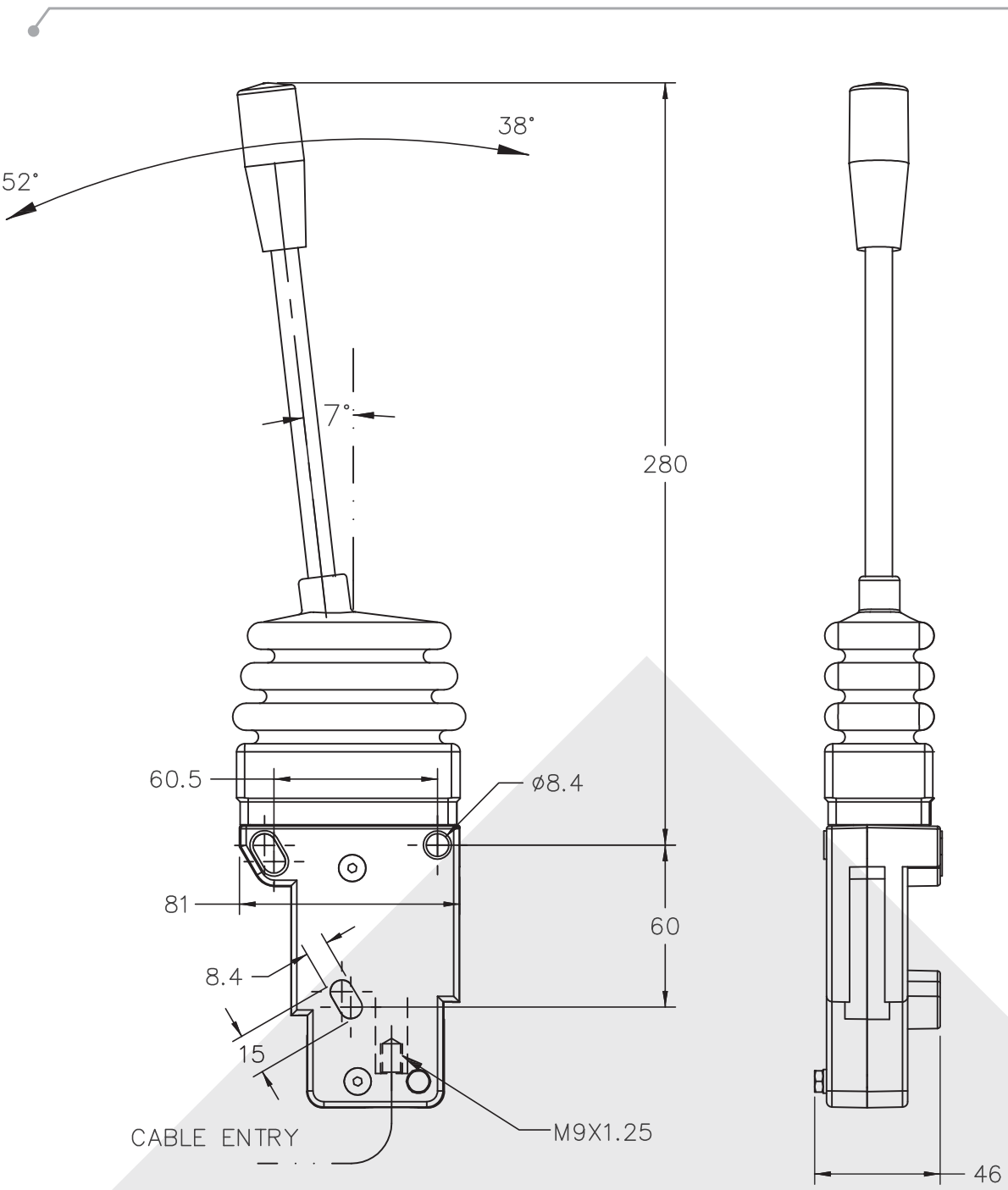




- Aluminum Alloy Die Cast construction.
- Suitable for hydraulic motor control.
- Maximum load 50 kg.
- Black Colored Knob.
- **Travel :-** N TO F1 : 14 MM N TO F2 : 27 MM
- N TO R1 : 17 MM N TO R2 : 27 MM

VALVE OPERATOR XVL-900

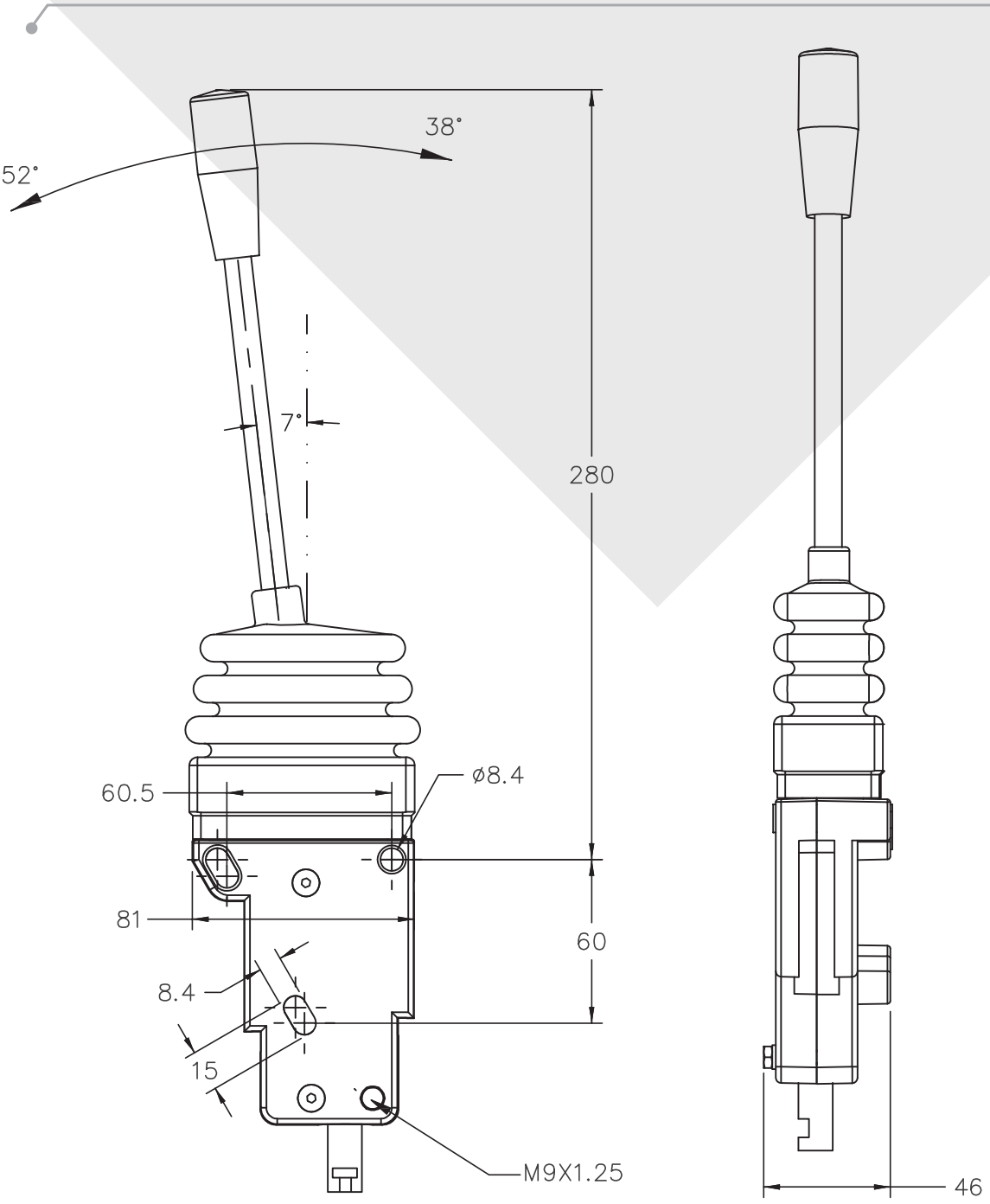




- Zinc alloy Stackable Remote Valve Operator.
- Total Max. Travel : 45mm.
- Max load 50 Kg.
- Available with different valve connection kits.
- Black Colored Knob.

VALVE OPERATOR XVL-902

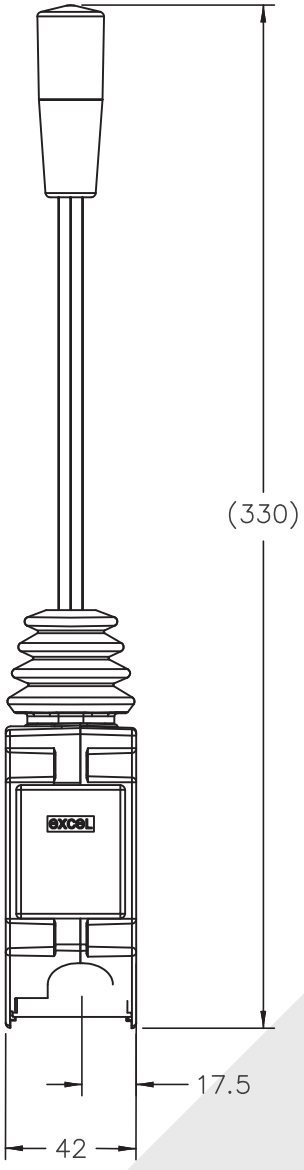


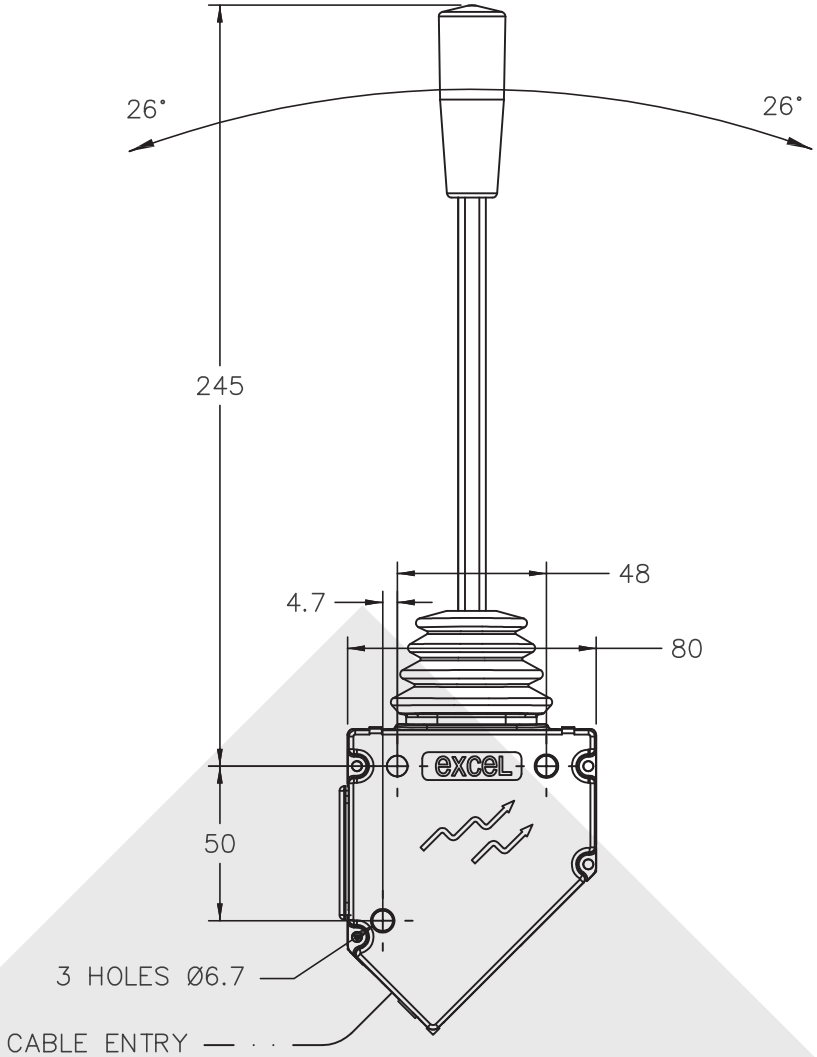


- Zinc alloy Stackable Remote Valve Operator.
- Total Max. Travel : 45mm.
- Max load 50 Kg.
- Available with different valve connection kits.
- Black Colored Knob.

VALVE OPERATOR XVL-920



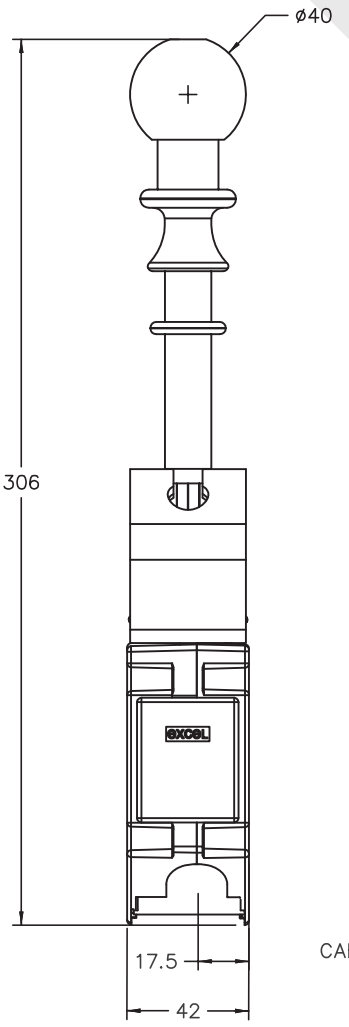


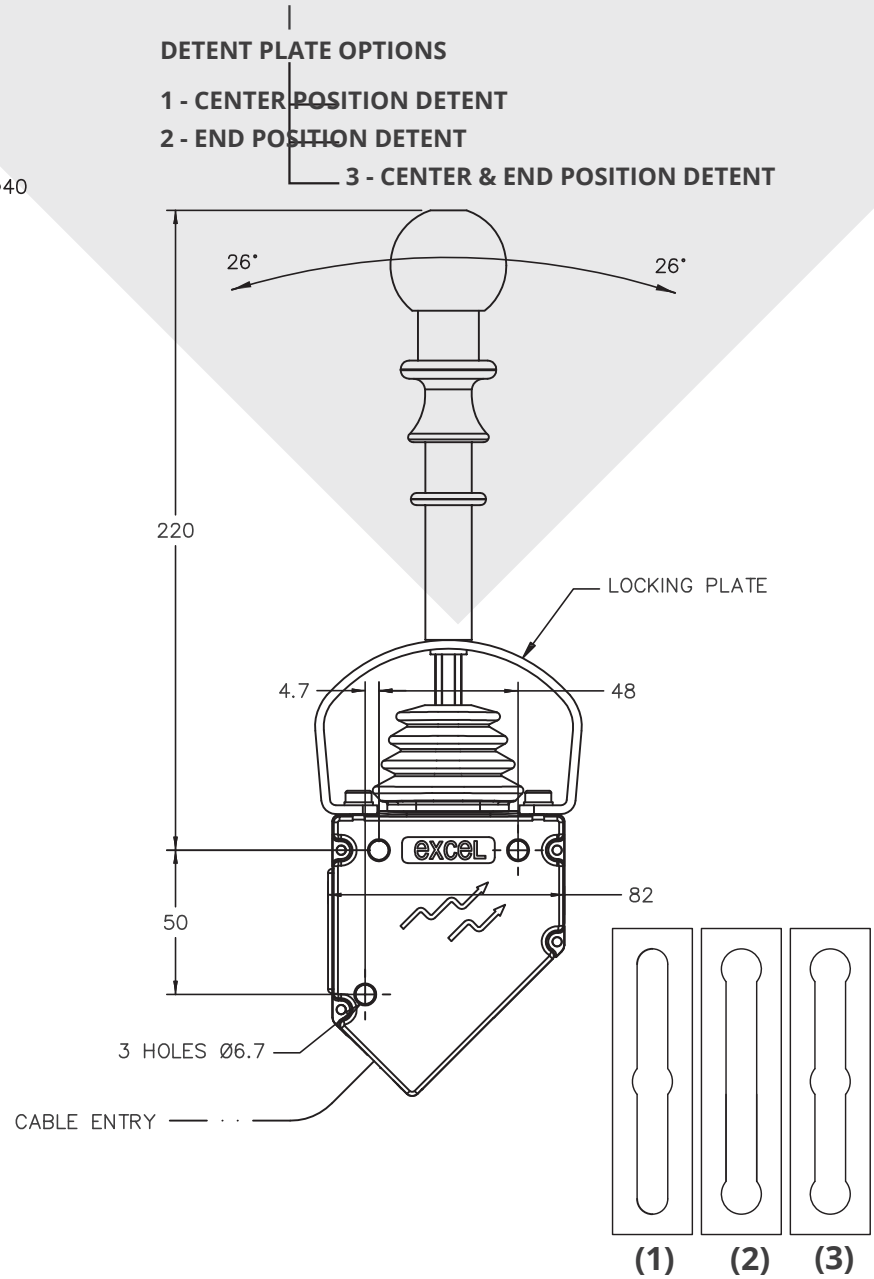


- Zinc Alloy Stackable remote Valve Operator.
- Total Max. Travel : 26mm.
- Max load 40 kg.
- Suitable for side / panel / bulkhead mounting.
- Black Colored Knob.

VALVE OPERATOR XVL-940







DETENT PLATE OPTIONS

- Light Duty Zinc Alloy Stackable Remote Valve Operator
- Total Max. Travel : 26mm.
- Max load 40 kg.
- Plastic Input Lever.
- Black Colored Knob.

HAND OPERATORS



XHO-820



XHO-825



XHO-840



XHO-845



XHO-850



XHO-870



XHO-875



XHO-880

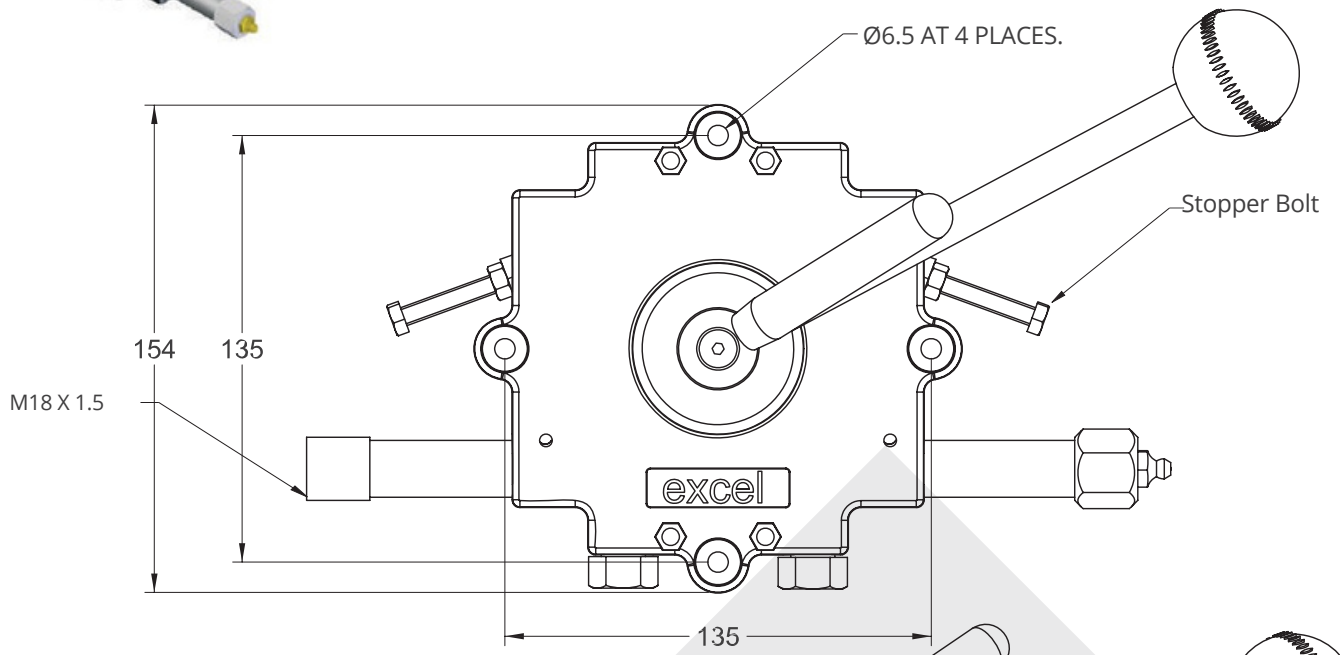


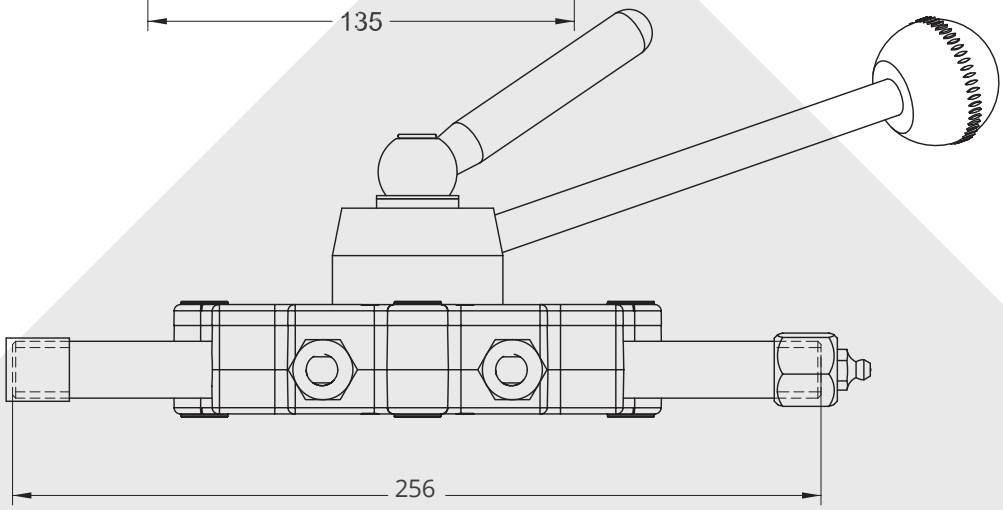
XHO-885

HAND OPERATORS
XHO-820



X — 0 - WITHOUT STOPPER BOLT
X — 1 - WITH STOPPER BOLT
Y — B - WITH BLACK POWDER COATED
Y — N - WITHOUT POWDER COATED





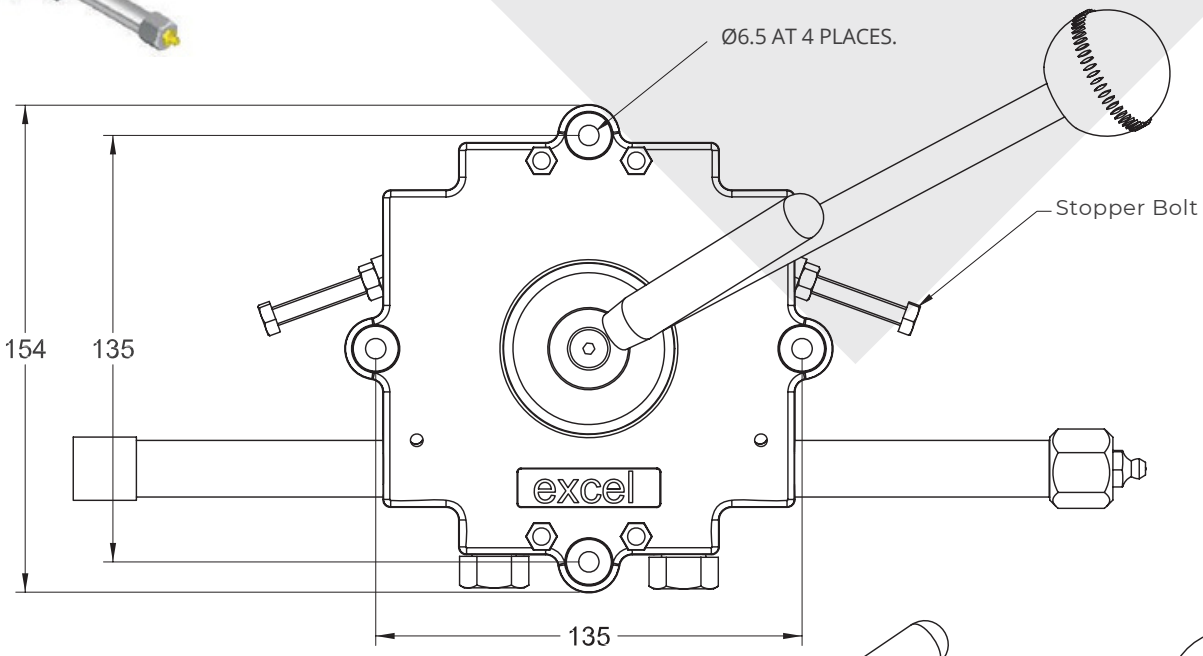
- Single Lockable Rack & Pinion Control.
- Standard Travel 80mm.
- Aluminum alloy housing & steel gear set.
- Optional-Finished with black powder coat or without coat.
- Black Colored Knob.

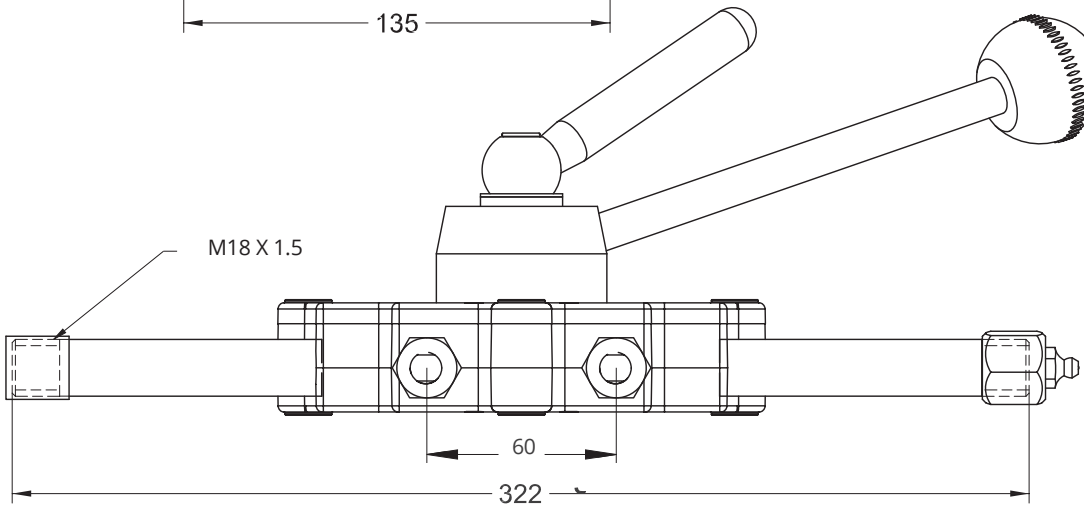
HAND OPERATORS
XHO-825

X
- 0 - WITHOUT STOPPER BOLT
- 1 - WITH STOPPER BOLT

Y
- B - WITH BLACK POWDER COATED
- N - WITHOUT POWDER COATED







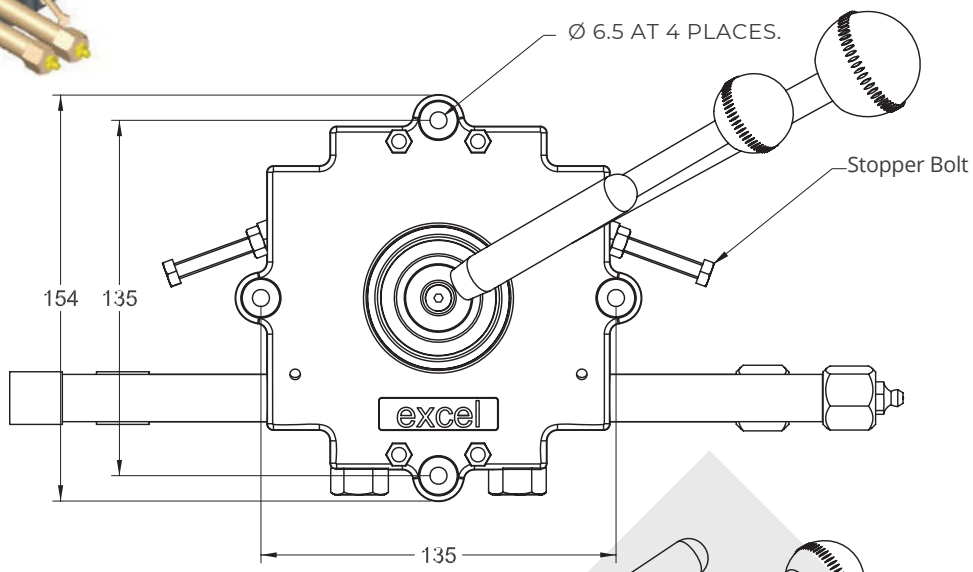
Single Lockable Rack & Pinion Control.
Standard Travel 100mm. Aluminum alloy housing & steel gear set.
Black powder coated finish.
?Black Colored Knob.

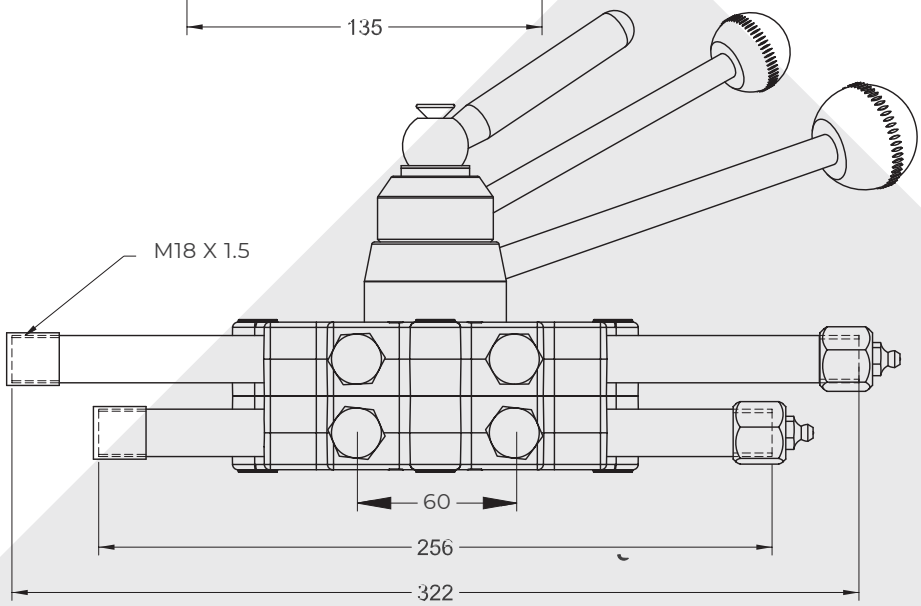
HAND OPERATORS
XHO-840

X
- 0 - WITHOUT STOPPER BOLT
- 1 - WITH STOPPER BOLT

Y
- B - WITH BLACK POWDER COATED
- N - WITHOUT POWDER COATED





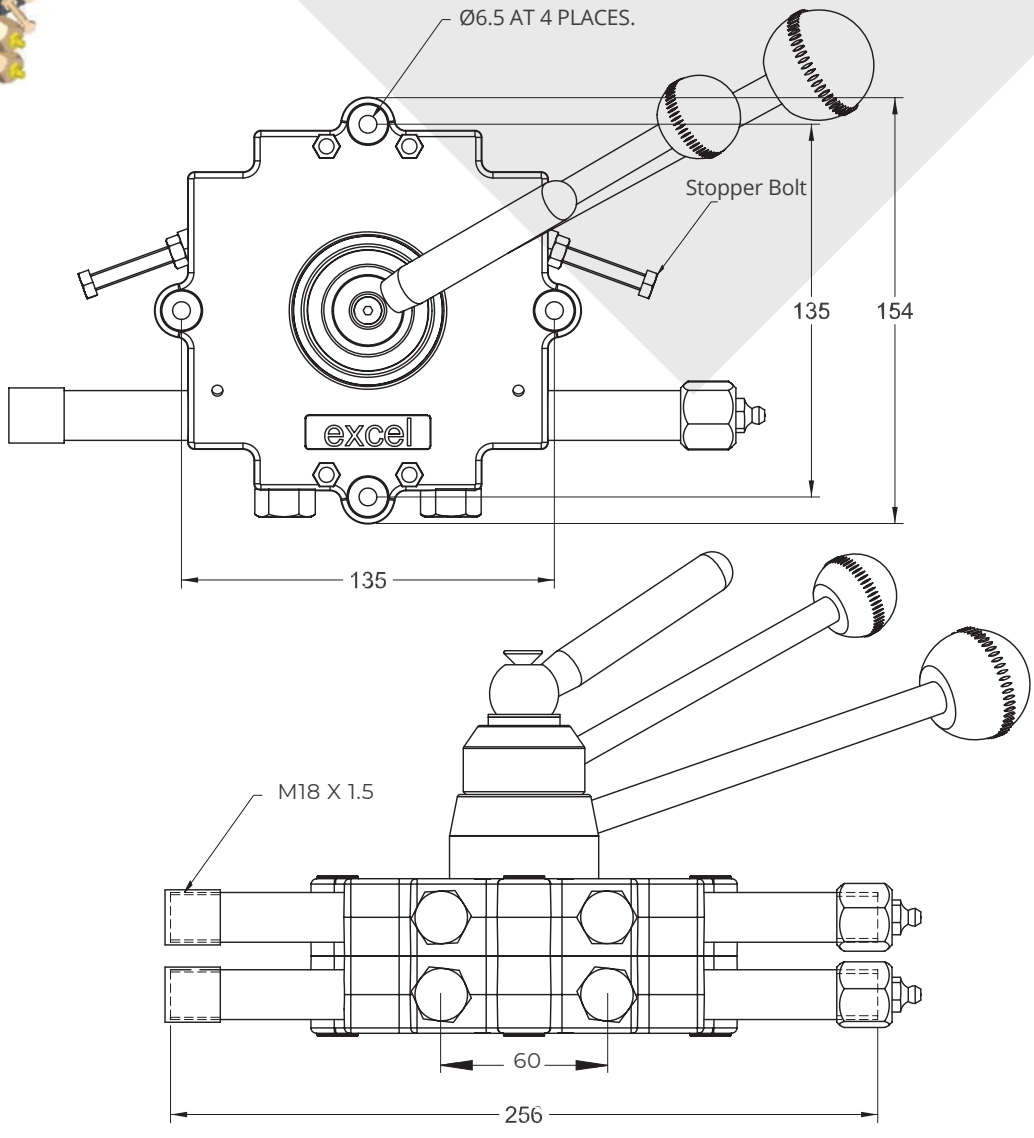


- Double Lockable Rack & Pinion Control.
- Standard Travel 80 mm for accelerator & 100mm for pump control.
- Aluminum alloy housing & steel gear set.
- Optional-Finished with black powder coat or without coat.
- Black Colored Knob.

HAND OPERATORS
XHO-845



X — 0 - Without Stopper Bolt
X — 1 - With Stopper Bolt
Y — B - With Black Powder Coated
Y — N - Without Powder Coated

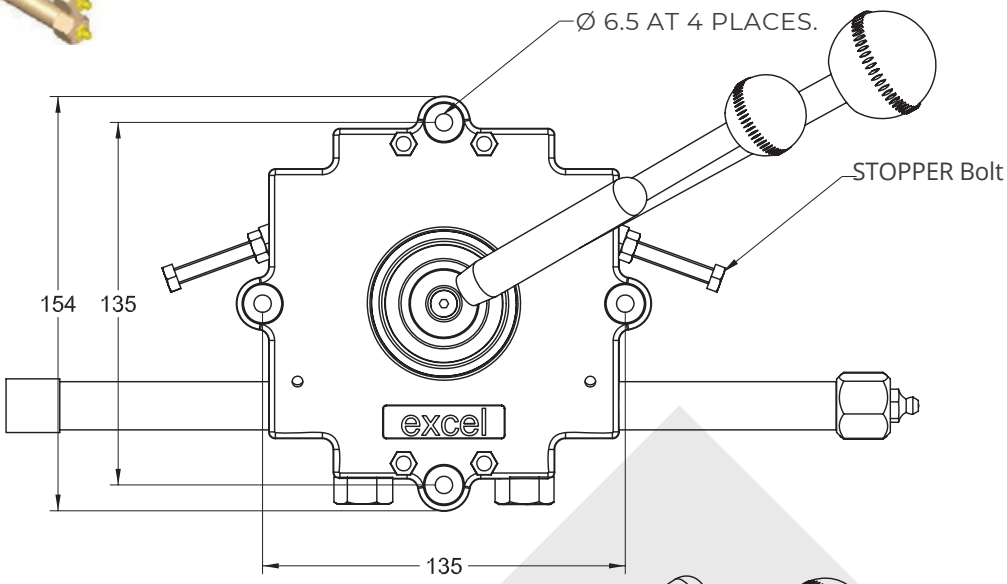


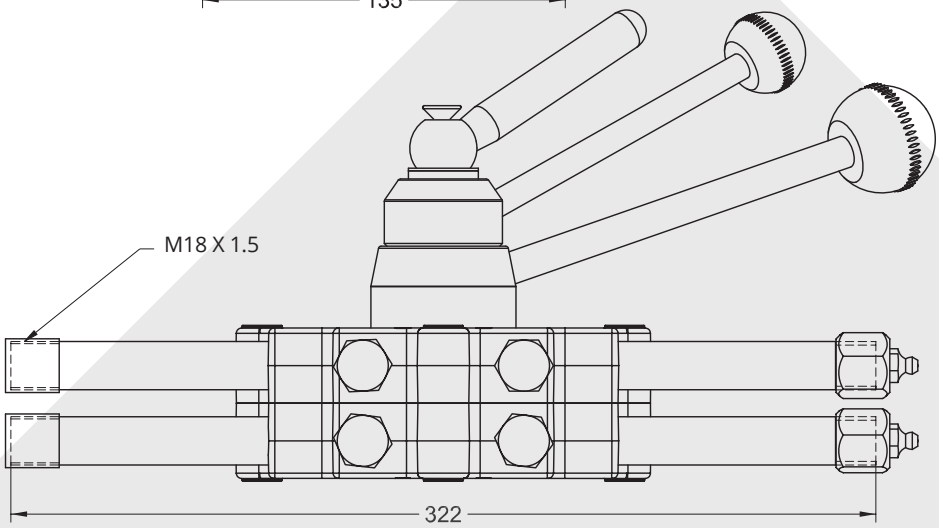
Double Lockable Rack & Pinion Control.
Standard Travel 80 mm for accelerator & pump control.
Aluminum alloy housing & steel gear set. Optional-Finished with black powder coat or without coat. Black Colored Knob.

HAND OPERATORS
XHO-850



X — 0 - WITHOUT STOPPER BOLT
X — 1 - WITH STOPPER BOLT
Y — B - WITH BLACK POWDER COATED
Y — N - WITHOUT POWDER COATED

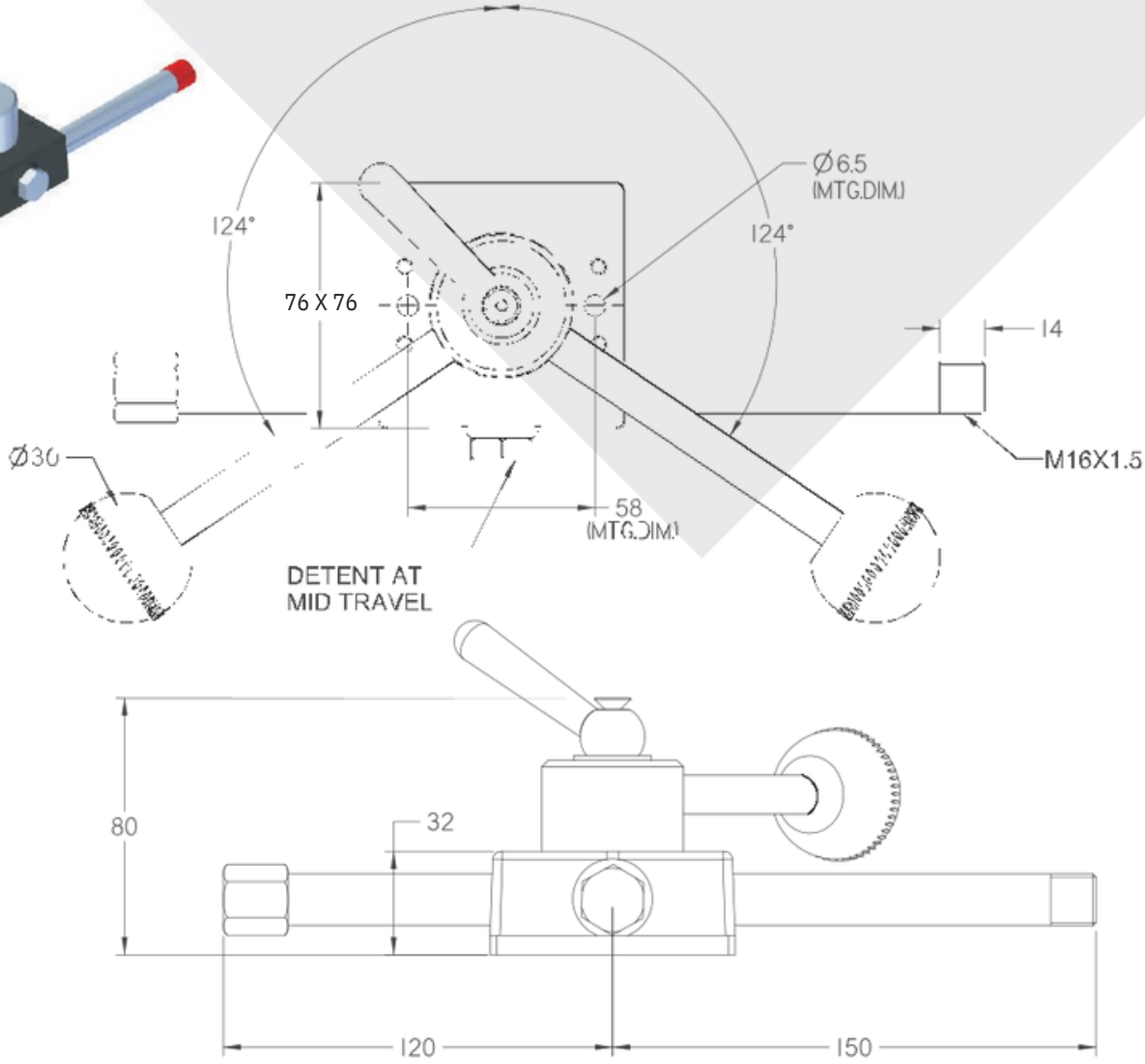




Double Lockable Rack & Pinion Control.
Standard Travel 100 mm for accelerator & pump control.
Aluminum alloy housing & steel gear set.
Detent at the mid position.
Suitable for Transit Mixer throttle & hydraulic control. Optional-
Finished with black powder coat or without coat. Black Colored
Knob.

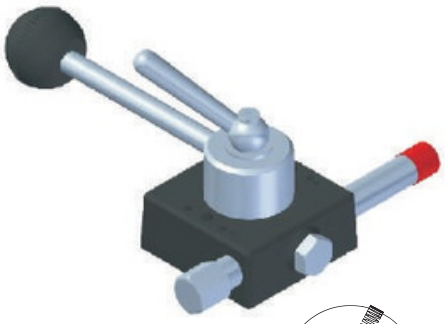
HAND OPERATORS
XHO-870

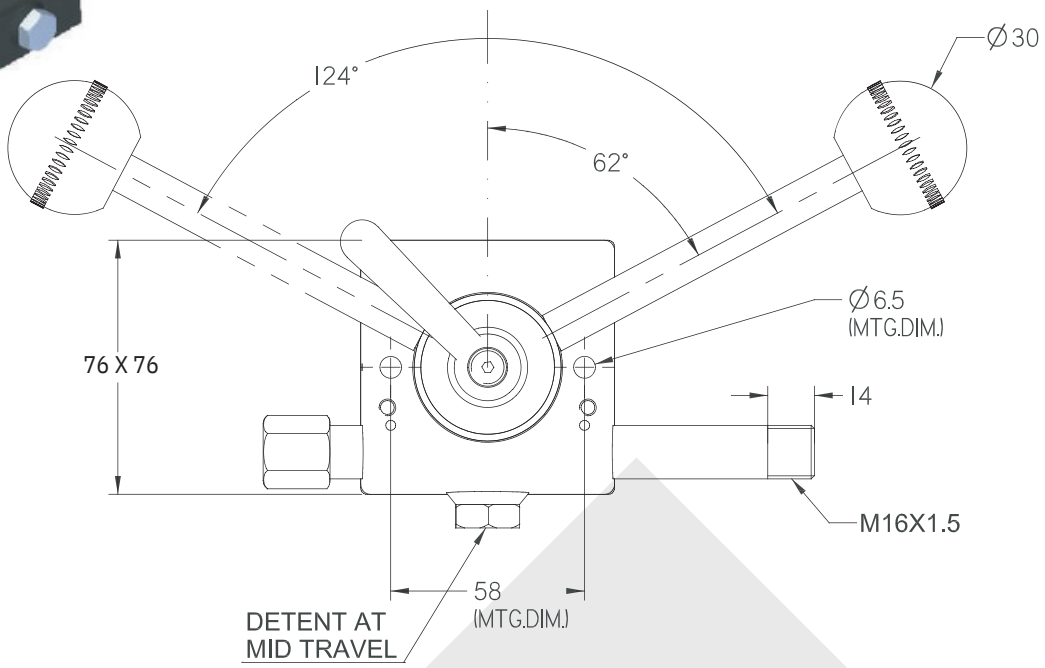


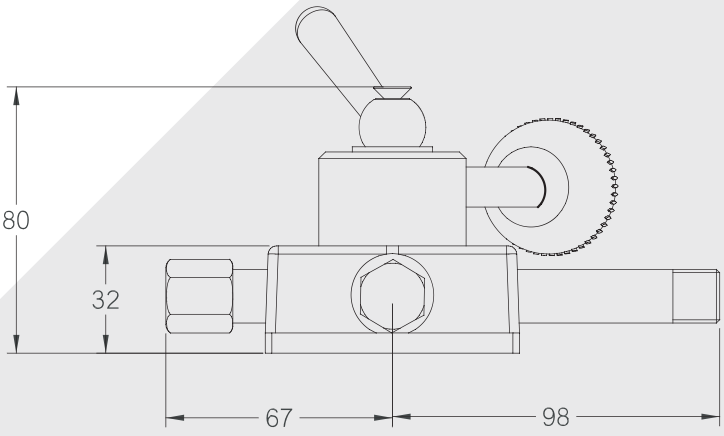


- Light duty lockable rack & pinion control with detent.
- Standard travel 100mm.
- Aluminum housing & steel gear set.
- Suitable for hydraulic motor control.
- Black Colored Knob.

HAND OPERATORS
XHO-875

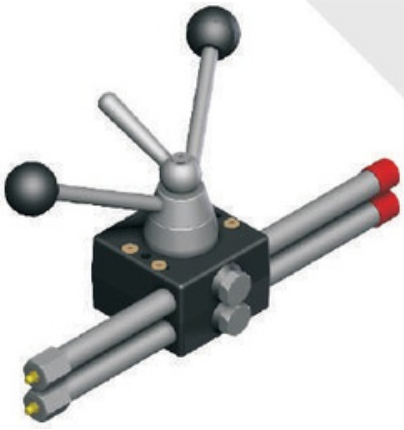


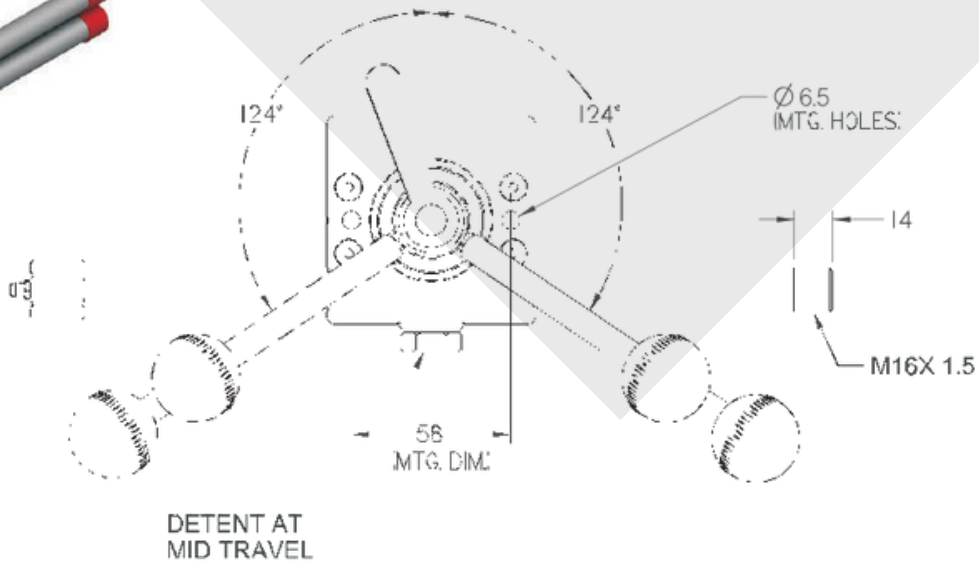


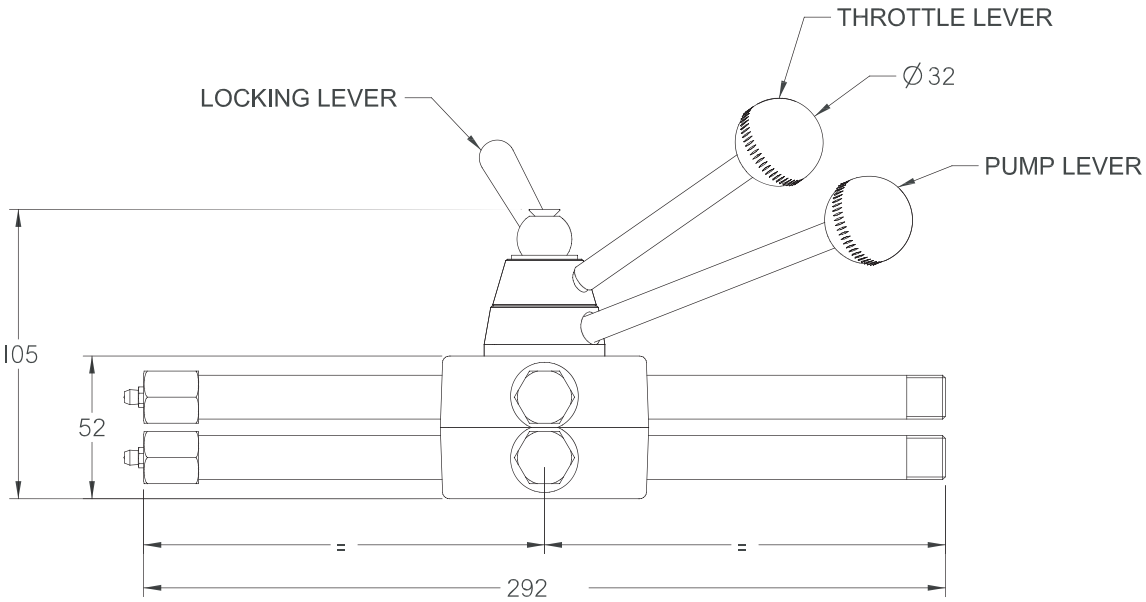


- Light duty lockable rack & pinion control with detent.
- Standard travel 50mm..
- Aluminum housing & steel gear set.
- Suitable for hydraulic motor control.
- Finished with black.
- Black Colored Knob.

HAND OPERATORS
XHO-880



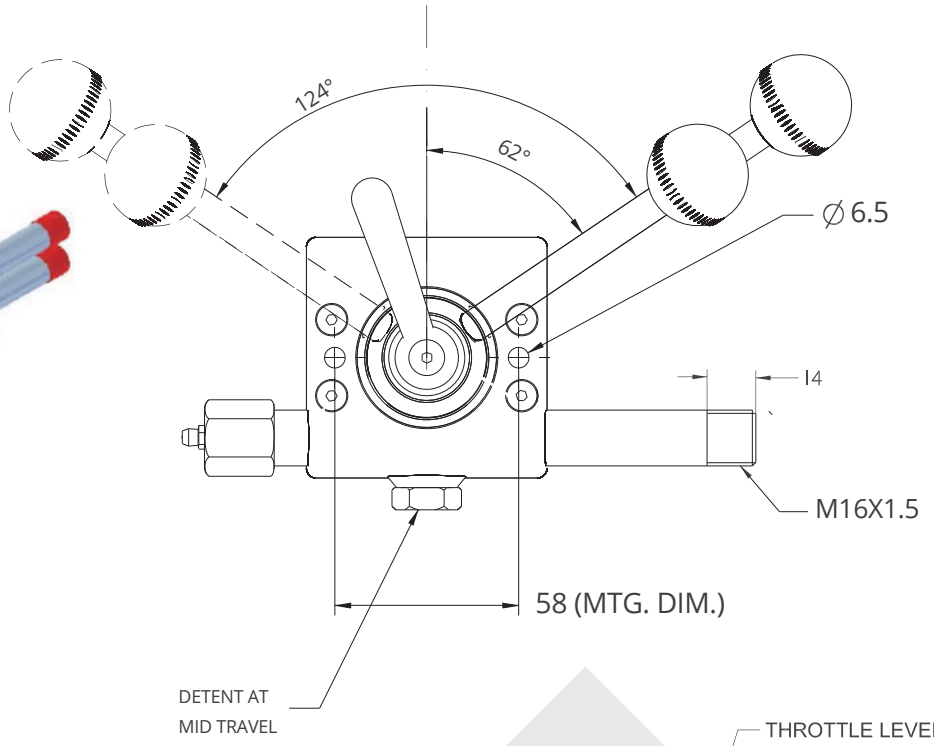


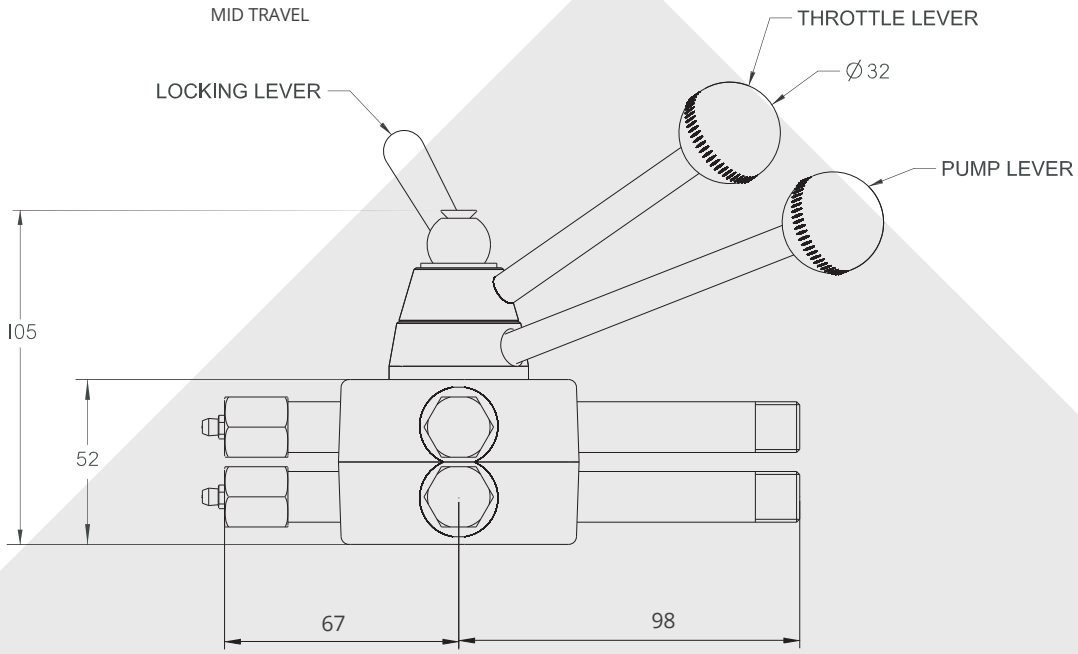


- Light duty loackable rack & pinion control with detent.
- Standard travel 100mm.
- Aluminum housing & steel gear set.
- Suitable for hydraulic motor control.
- Black Colored Knob.

HAND OPERATORS
XHO-885







- Light duty double lockable rack & pinion control with detent.
- Standard travel 50mm.
- Aluminum housing & steel gear set.
- Suitable for hydraulic motor control.
- Black Colored Knob.

FOOT PEDALS



XFP-220



XFP-220 XT



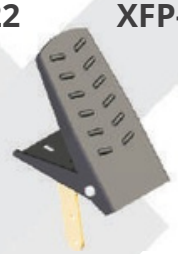
XFP-222



XFP-224



XFP-224 XT



XFP-330



XFP-340



XFP-330



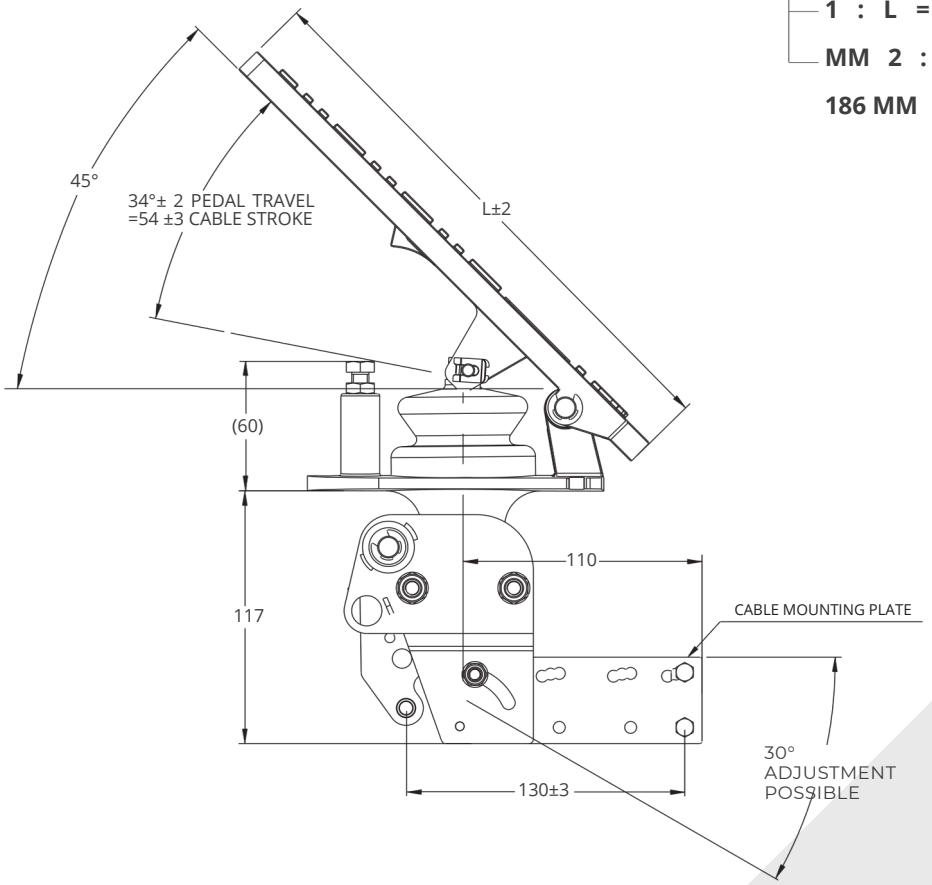
XFP-340

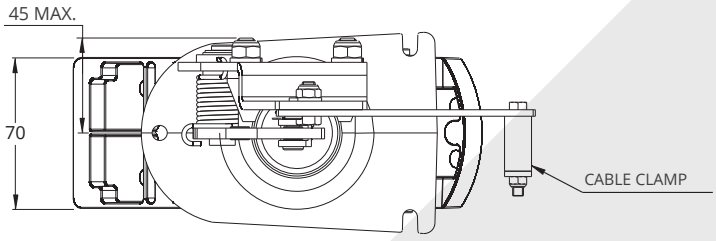
FOOT PEDAL
XFP-220

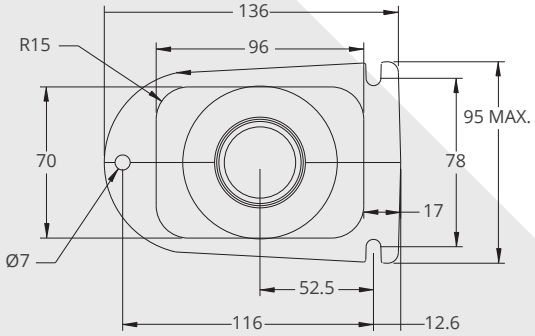
1 : L = 256 MM

2 : L = 186 MM









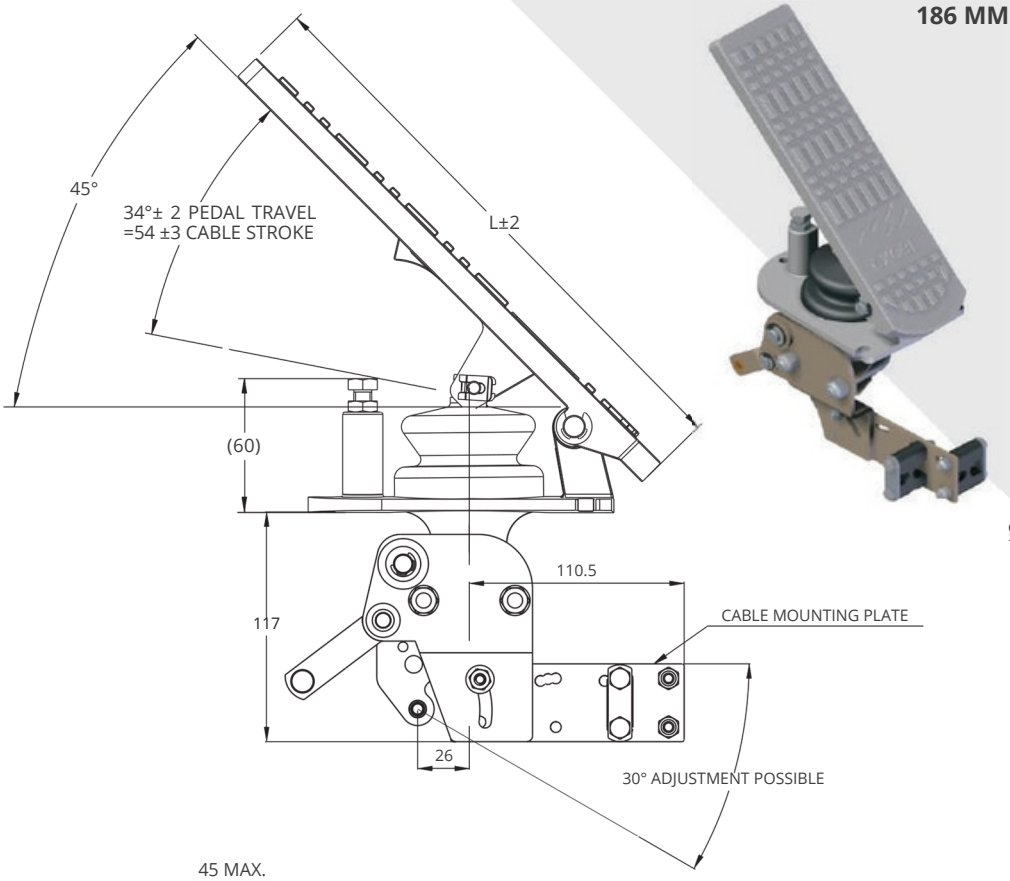
- Aluminum Alloy Accelerator Pedal.
- 34o of pedal travel equals 54mm of travel.
- Adjustable pedal angle.
- For use with single pull only throttle Cable.
- Idle return torsion spring.
- Throttle Cable exit adjustable through 360.

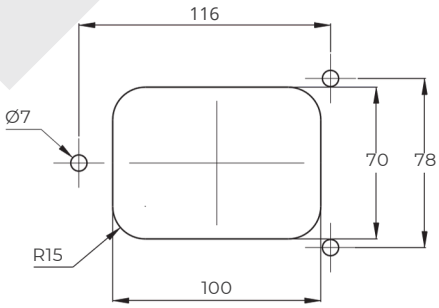
FOOT PEDAL
XFP-220 XT

1 : L = 256

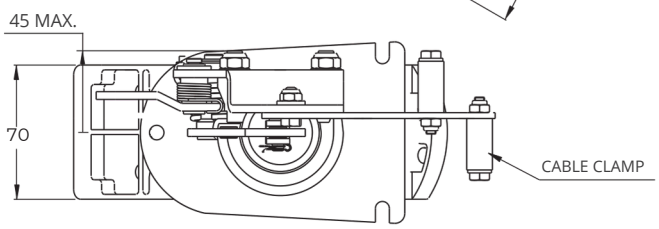
MM 2 : L =

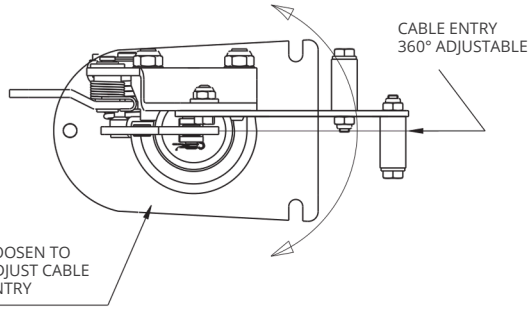
186 MM





CUT OUT DETAILS

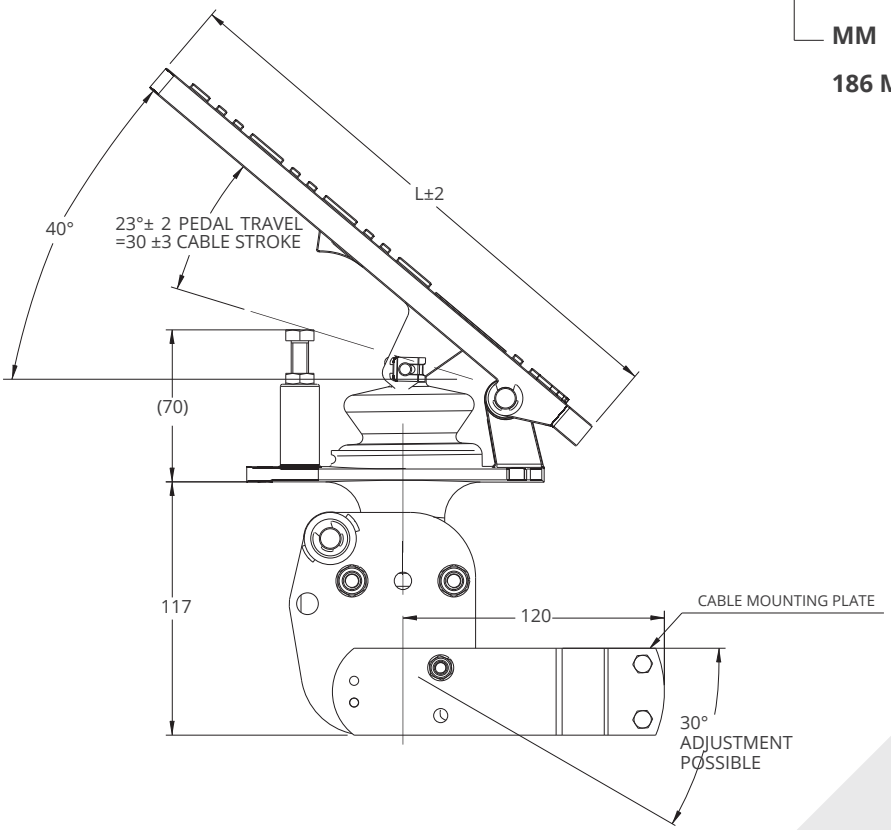




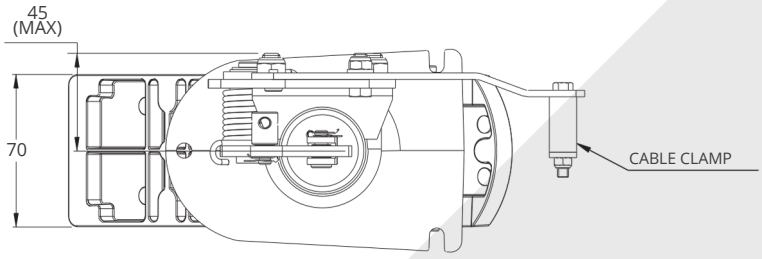
- Aluminum Alloy Accelerator Pedal.
- 34° of pedal travel equals 54mm of travel.
- Adjustable pedal angle.
- Throttle link & bracket to connect a hand throttle cable
- Idle return torsion spring.
- Throttle Cable exit adjustable through 360°.

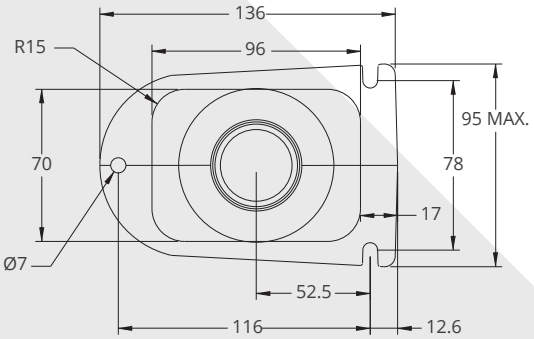
FOOT PEDAL XFP-222 XT

1 : L = 256 MM 2 : L = 186 MM







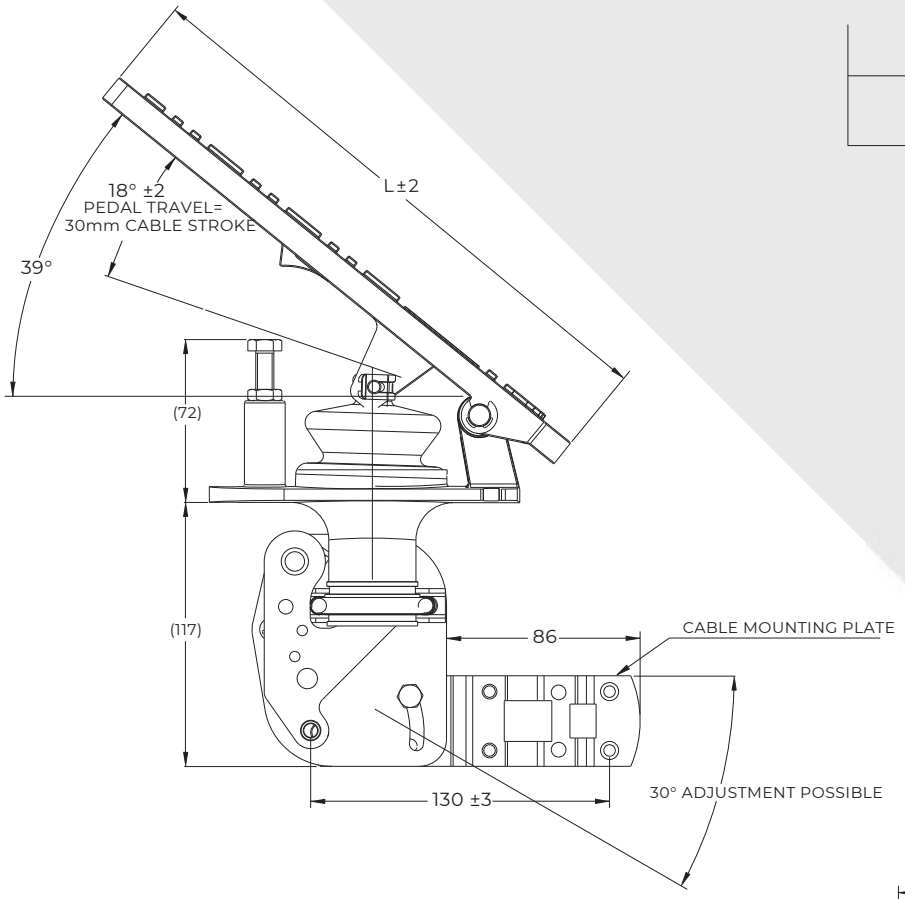


- Aluminum Alloy Accelerator Pedal.
- 23° of pedal travel equals 30mm of stroke.
- Adjustable pedal angle.
- Throttle link & bracket to connect a hand throttle cable
- Idle return torsion spring.
- Throttle Cable exit adjustable through 360°.

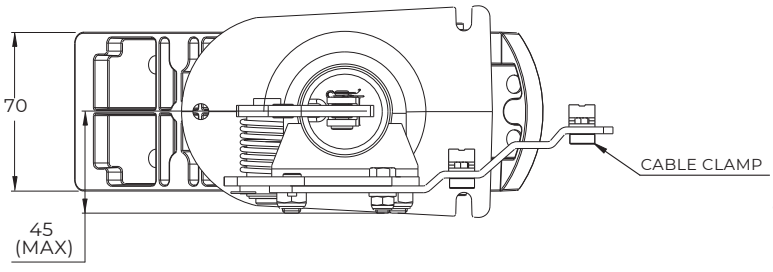
FOOT PEDAL XFP-224

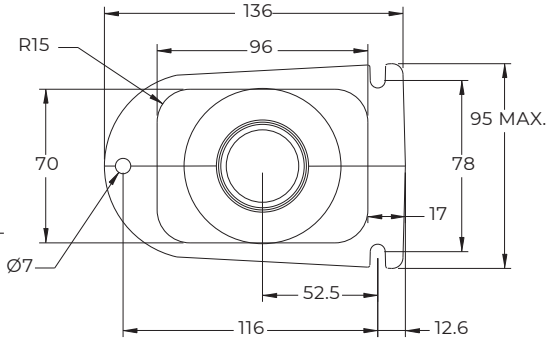
1 : L = 256 MM

2 : L = 186 MM







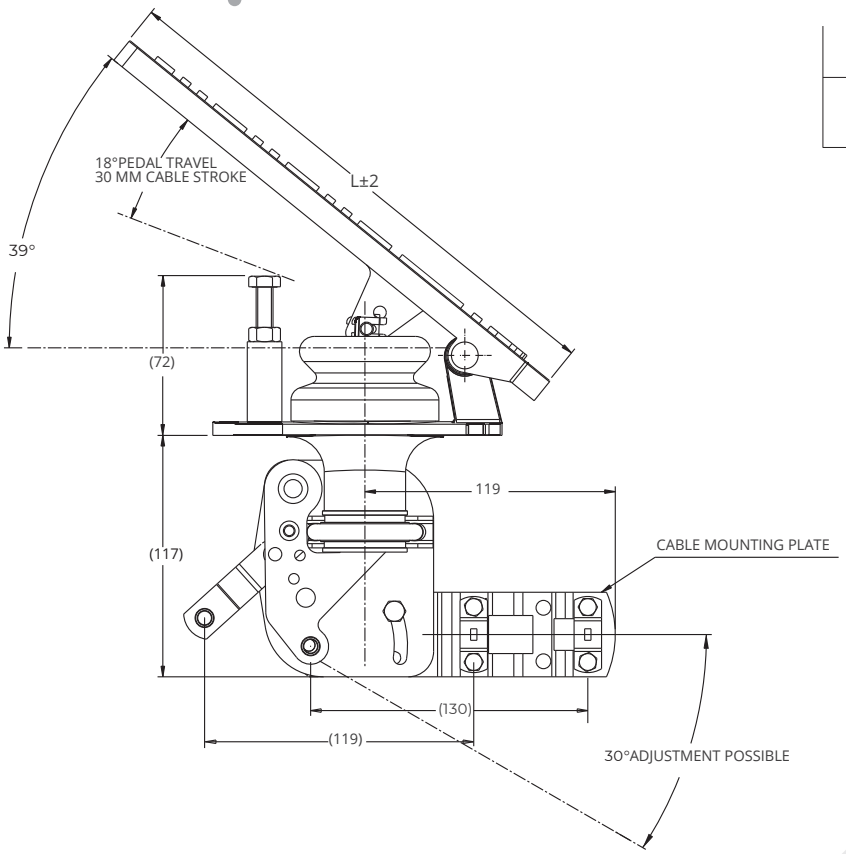


- Aluminum Alloy Accelerator Pedal.
- 18° of pedal travel equals 30mm of stroke.
- Adjustable pedal angle.
- Throttle link & bracket to connect a hand throttle cable
- Idle return torsion spring.
- Throttle Cable exit adjustable through 360o.

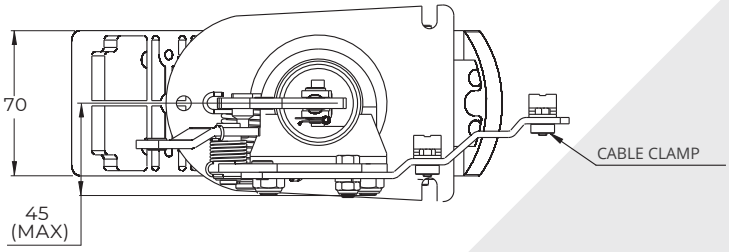
FOOT PEDAL XFP-224 XT

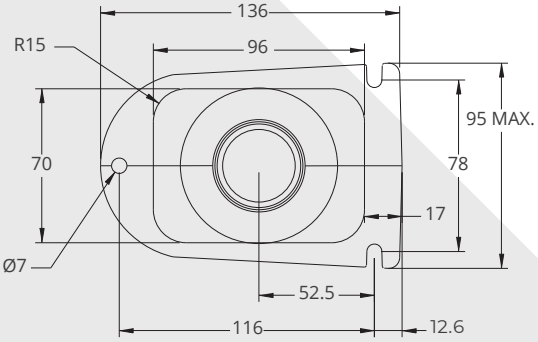
1 : L = 256 MM

2 : L = 186 MM



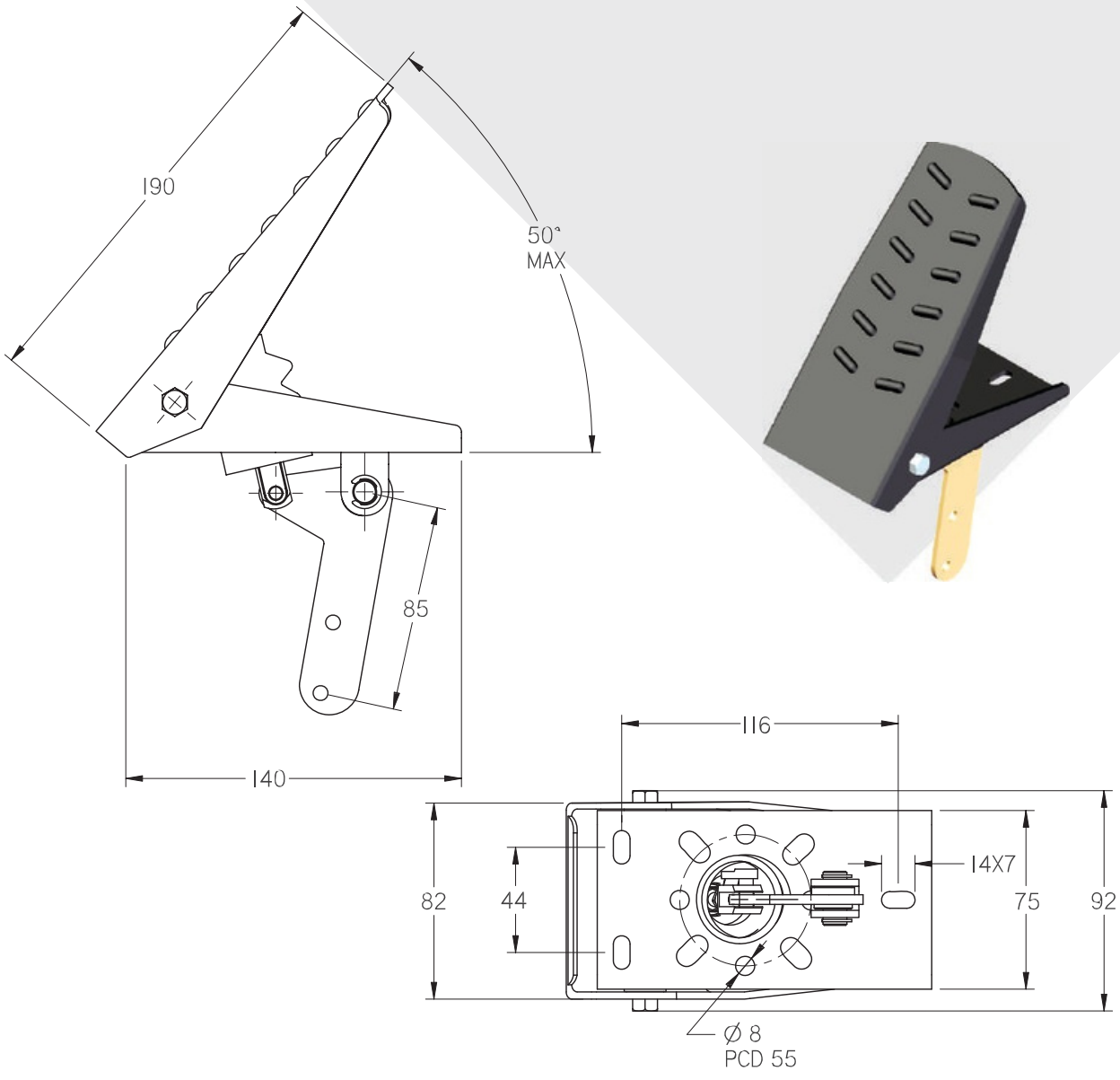






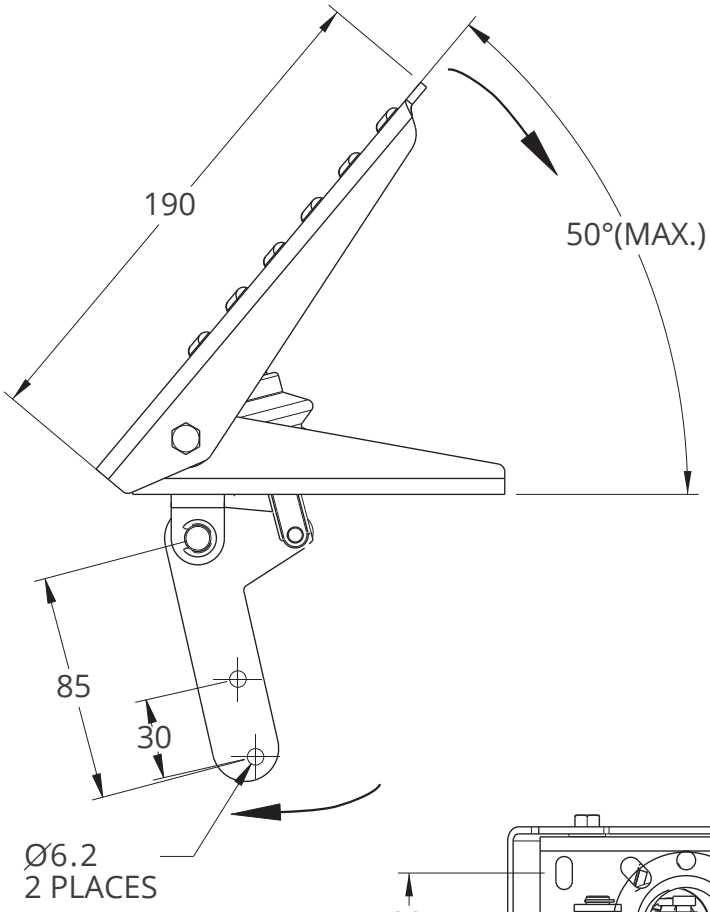
Aluminum Alloy Accelerator Pedal.
18o of pedal travel equals 30mm of travel.
Adjustable pedal angle. Throttle link & bracket to connect a hand throttle cable
Idle return torsion spring.
Throttle Cable exit adjustable through 360.

FOOT PEDAL XFP-330

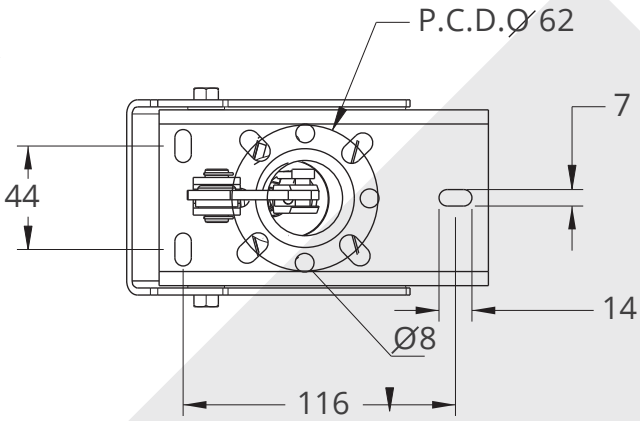


Compact & economical pressed steel Accelerator Pedal.
Max Travel 70mm.
Multiple floor mounting holes are built in.
For use with single pull only throttle cables.
Idle position return torsion spring.
Embossed pedal surface.

FOOT PEDAL XFP-340







Compact & economical pressed steel Accelerator Pedal.
Max Travel 70mm.
Multiple floor mounting holes are built in.
For use with single pull only throttle cables.
Idle position return torsion spring.
Embossed pedal surface.

PARK BRAKE LEVERS



XPB-102



XPB-105



XPB-205



XPB-500



XPB-008



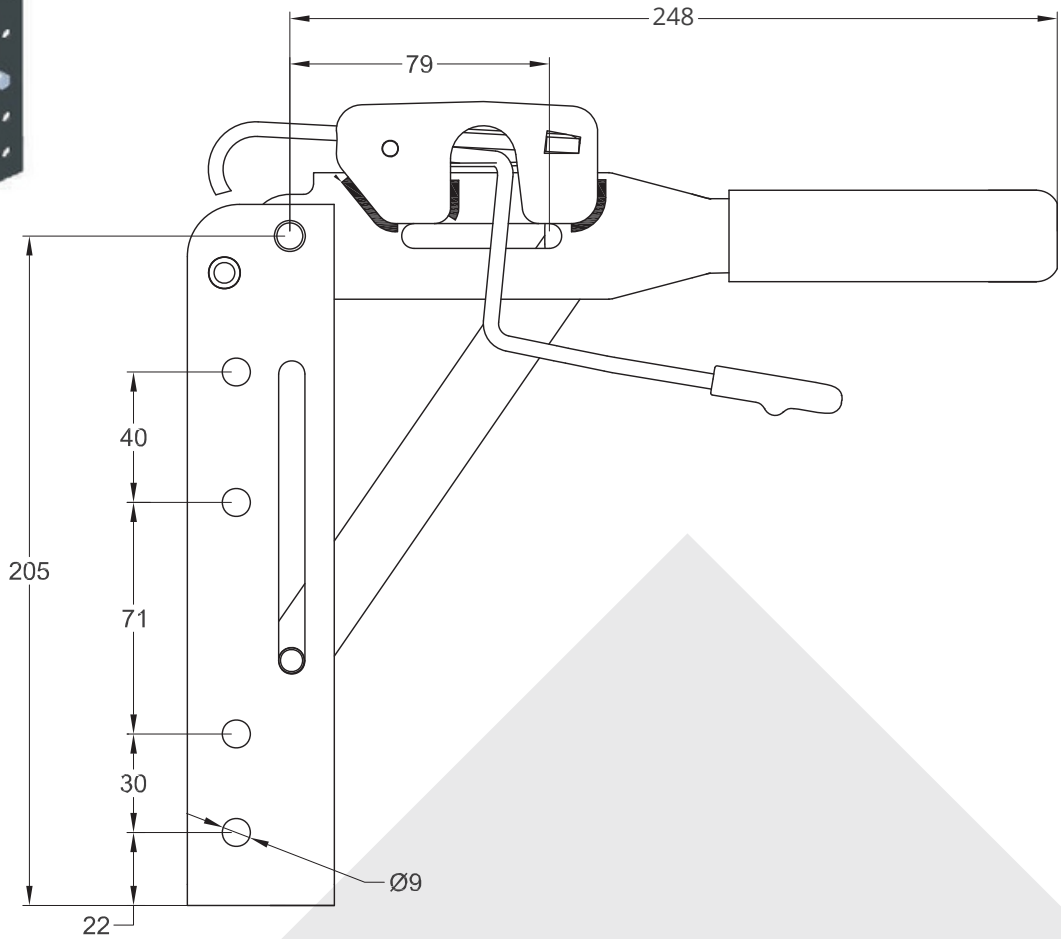
XPB-009



XPB-028

PARKT BRAKE LEVER XPB-102

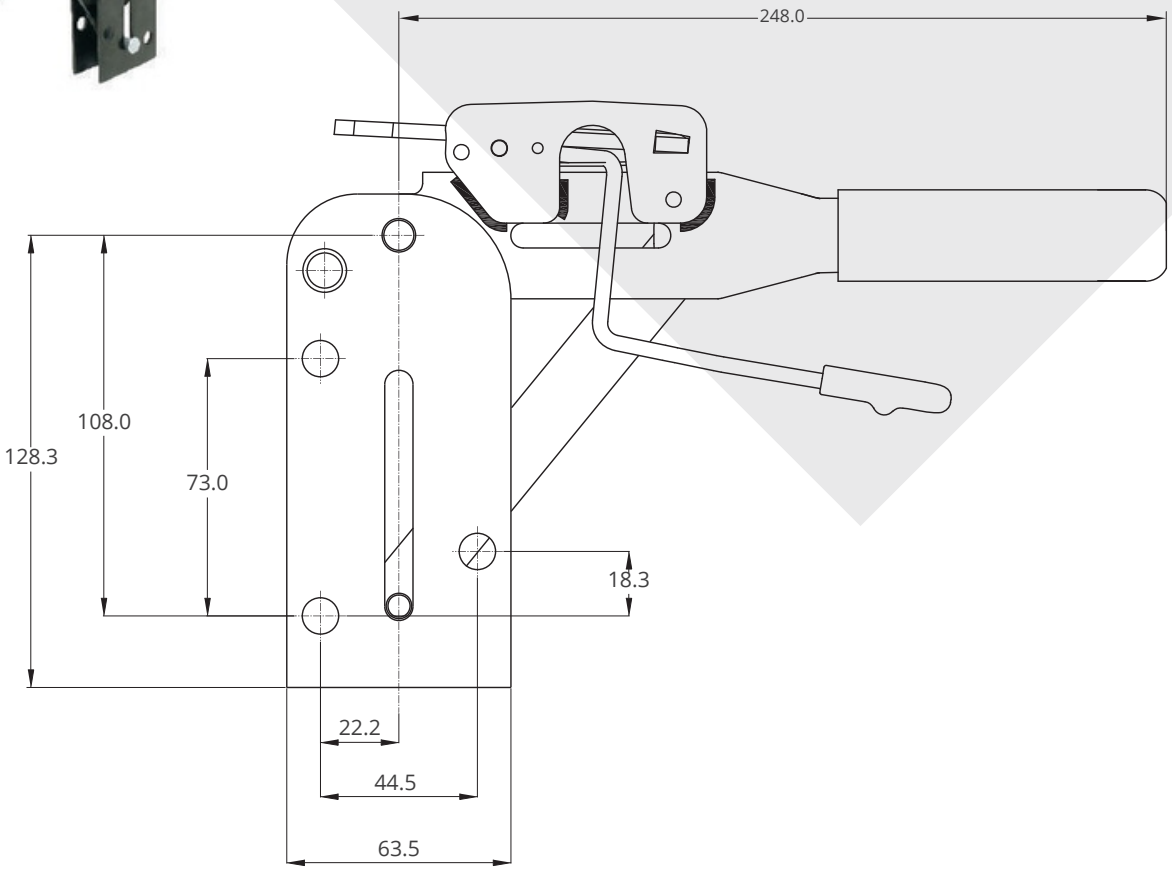




Over Center Park Brake Lever With Safety Latch mechanism.
Available with Flange/Side mount option.
Maximum travel 50mm
Travel and cable tension are adjustable
Adjustable knob allows compensation for system wear.

PARKT BRAKE LEVER XPB-105

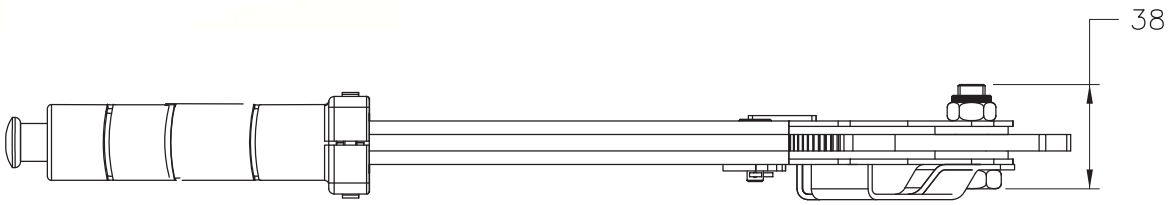


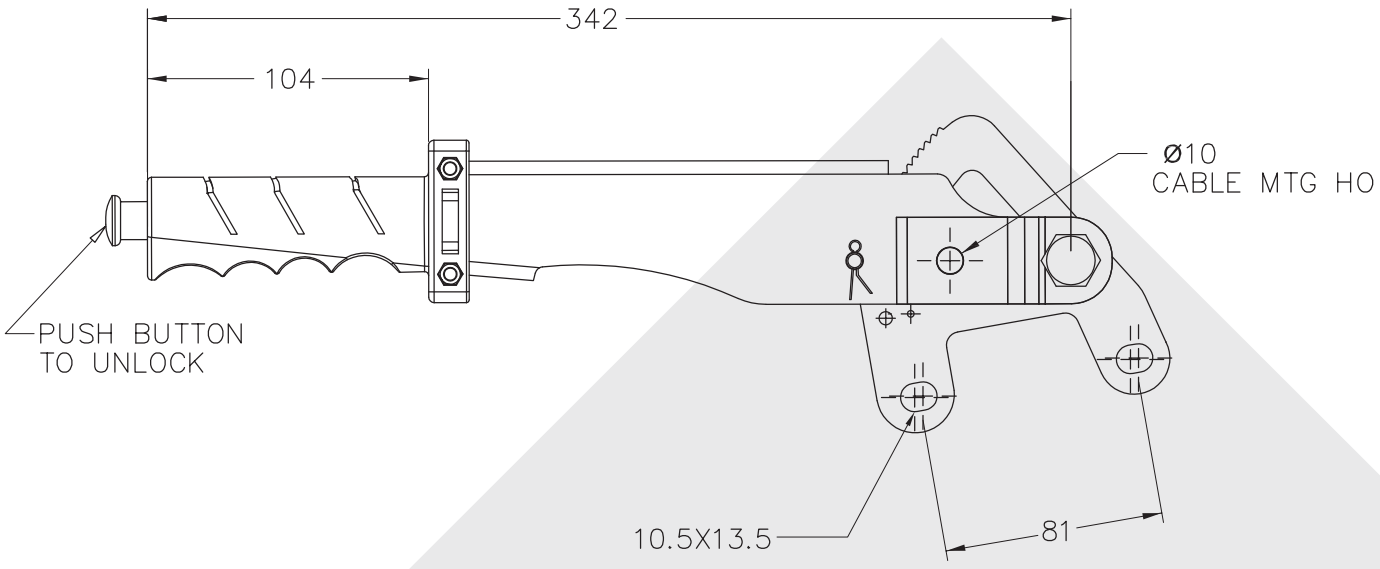


Over Center Park Brake Lever With Safety Latch mechanism.
Available with Flange/Side mount option.
Optional rubber grip.
Maximum travel 56mm
Travel and cable tension are adjustable
Adjustable knob allows compensation for system wear.

PARKT BRAKE LEVER XPB-205



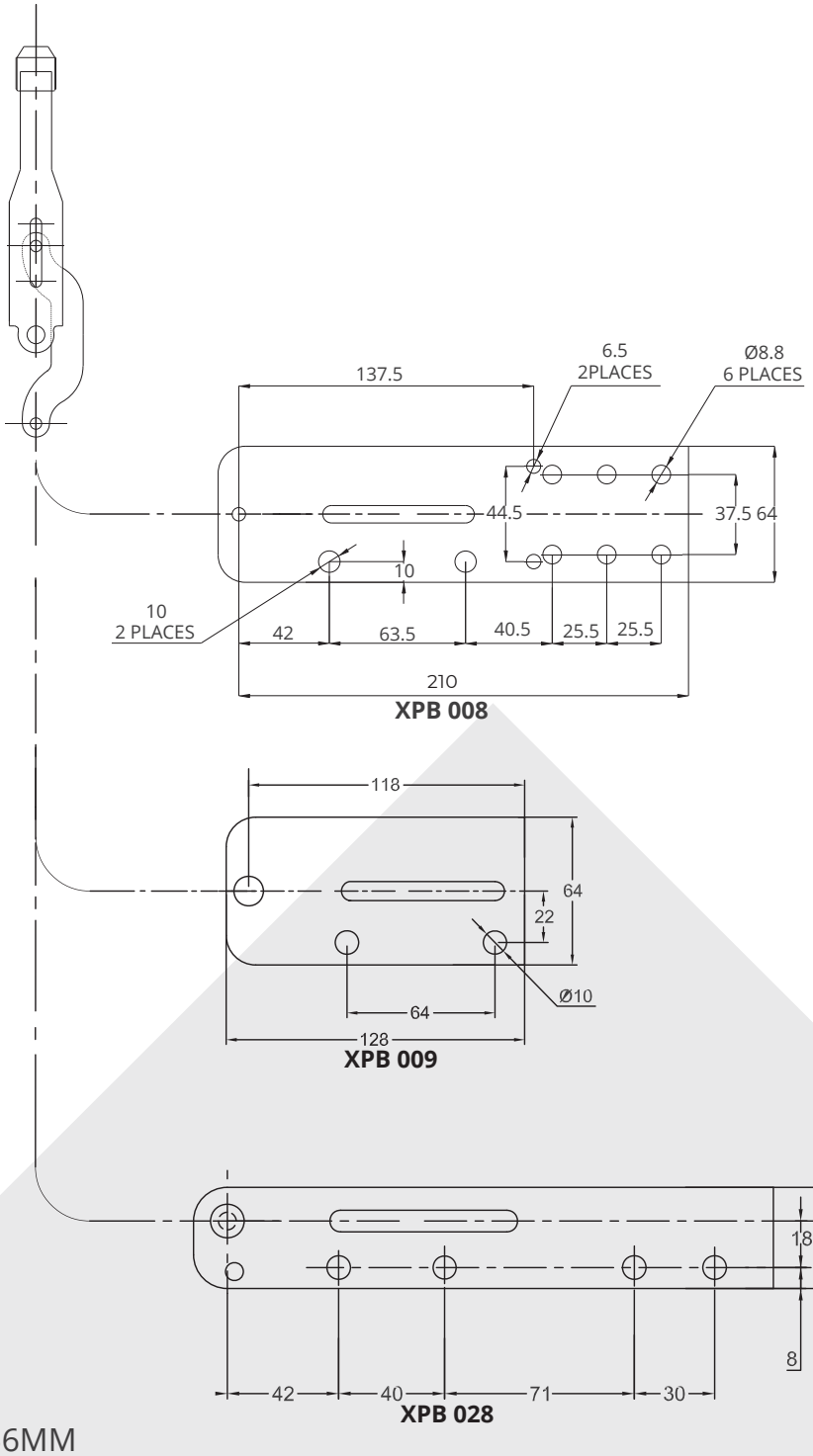




Ratchet type parking brake lever.
Travel : 28mm Max.
Side mounted.

PARKT BRAKE LEVER XPB-500

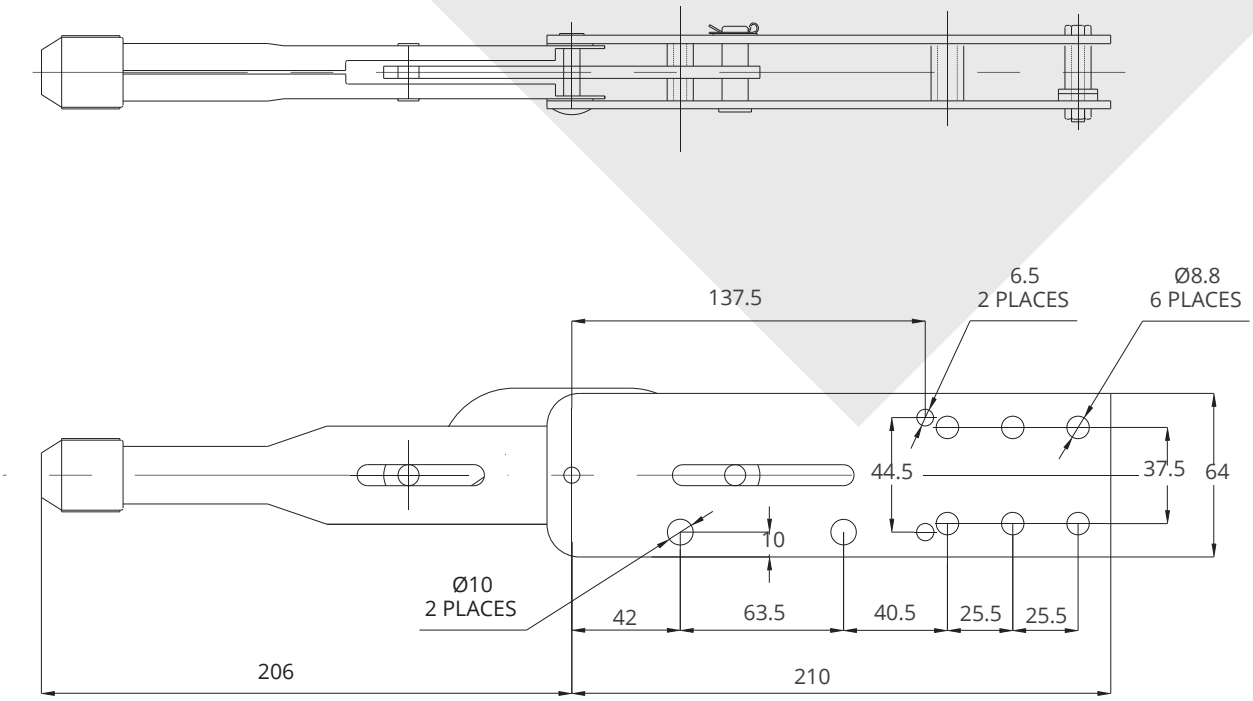




Max. Travel : 56MM

PARKT BRAKE LEVER XPB-008

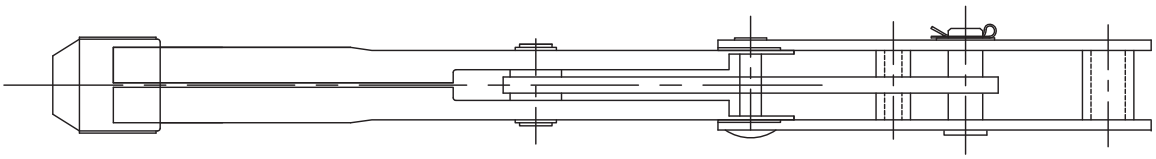


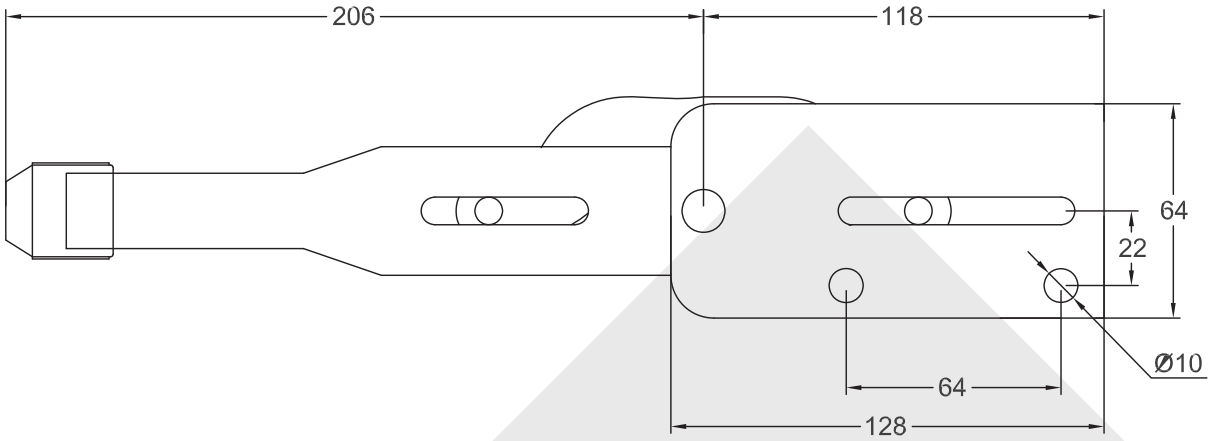


Over Center Park Brake Lever.
64mm Side Plates, Side Mount.
3 sets of Cable clamp mountings.
Maximum travel 56mm
Travel and cable tension are adjustable
Adjustable knob allows compensation for system wear.

PARKT BRAKE LEVER XPB-009







Over Center Park Brake Lever.
64mm Side Plates, side mount.
No Cable support.
Maximum travel 56mm
Travel and cable tension are adjustable
Adjustable knob allows compensation for system wear.

MANUAL TRANSMISSION SYSTEM



XGS-100



XGS-140



XGS-410



XGS-500



XGS-550



XGS-600



XGS-650

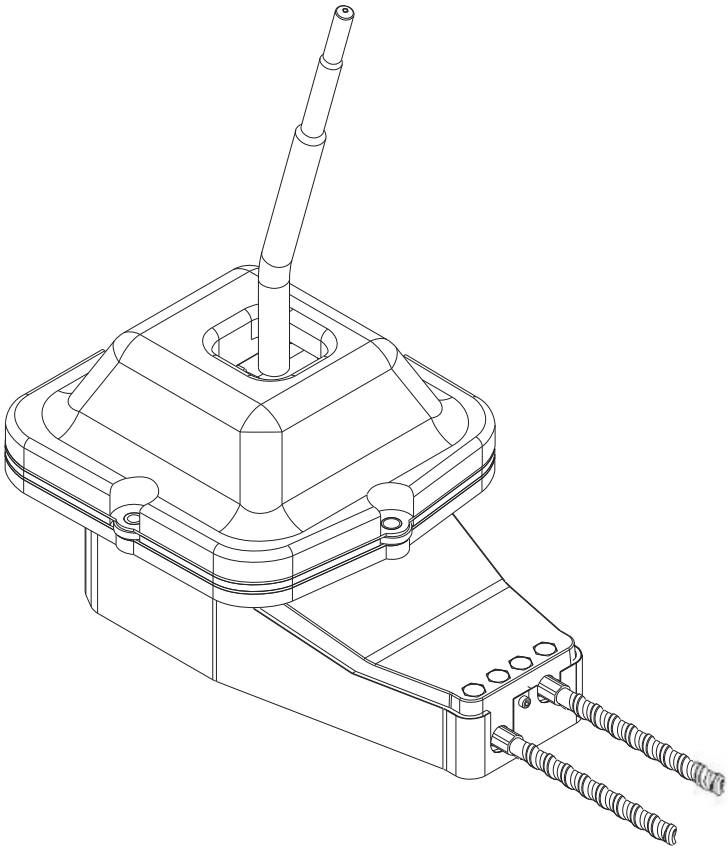


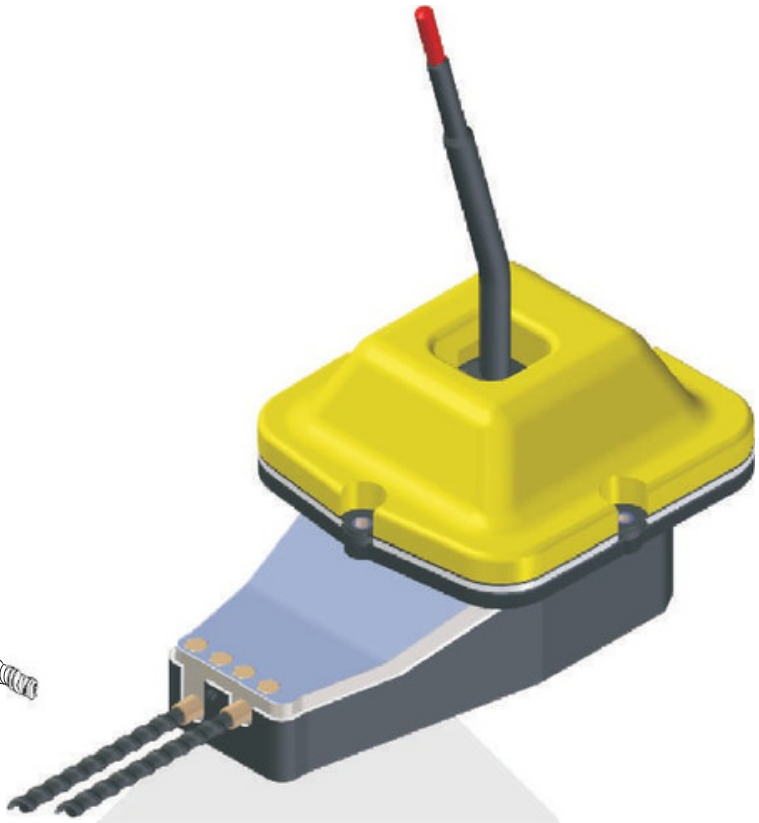
XGS-800



XGS-750

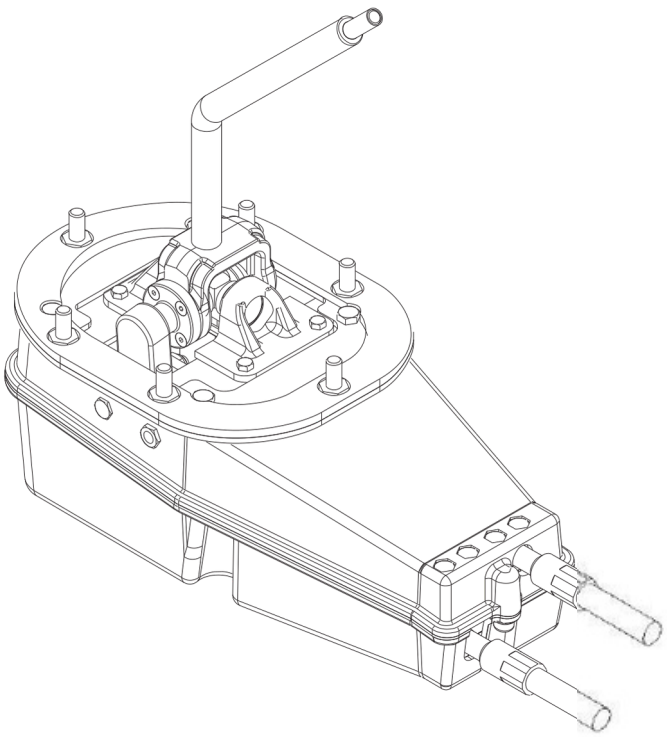
XGS-100

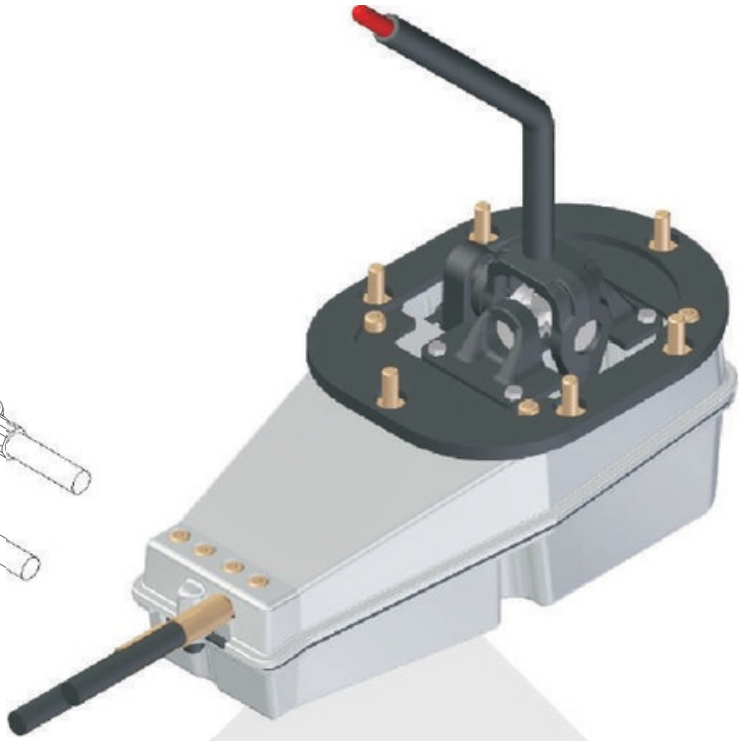




Type: Horizontal
Shift TravelMax: 56mm
Select Travel Max: 60mm
Away from Driver: Cable Push with GSL on driver's left side
Front of Vehicle: Cable Pull with cable exiting to GSL towards vehicle front
M.A. Shift: 3.6
M.A. Select : 3.4

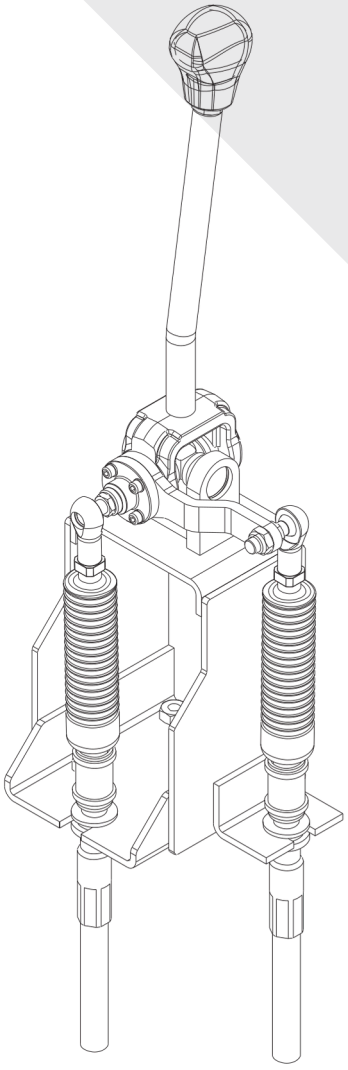
XGS-140





Type	: Horizontal
Shift TravelMax	: 64mm
Select Travel Max	: 70mm
Away from Driver	: Cable Pull with GSL on driver's left side
Front of Vehicle	: Cable Pull with cable exiting to GSL towards vehicle front
M.A. Shift	: 4.1
M.A. Select	: 2.5

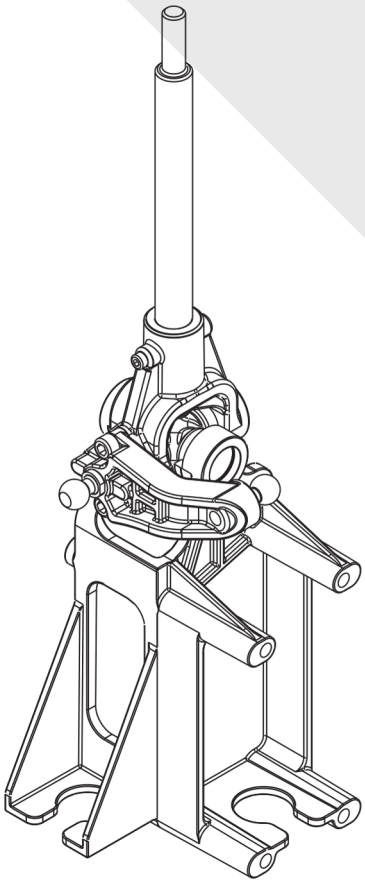
XGS-410





Type	: Vertical
Shift Travel Max	: 70mm
Select Travel Max	: 80mm
Away from Driver	: Cable Push with GSL on driver's left side
Front of Vehicle	: Cable Push with cable exiting to GSL towards rear of the vehicle :3.5
M.A. Shift	

XGS-500

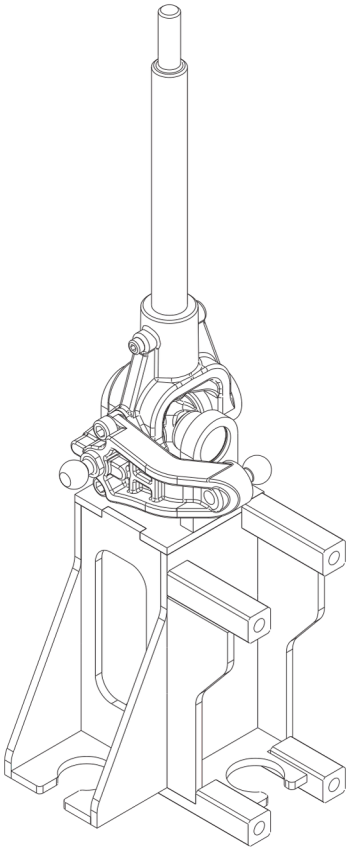




Type: Vertical
Shift TravelMax: 50mm
Select Travel Max: 40mm
M.A. Shift:4.0 (Considering max. lever height 220mm.) M.A. Select:3.7 (Considering max. lever height 220mm.)
Housing : Aluminum HPDC alloy.
Yoke & Side arm : Steel alloy.

NOTE: Lever length is optional but should not be more than 220mm.

XGS-550

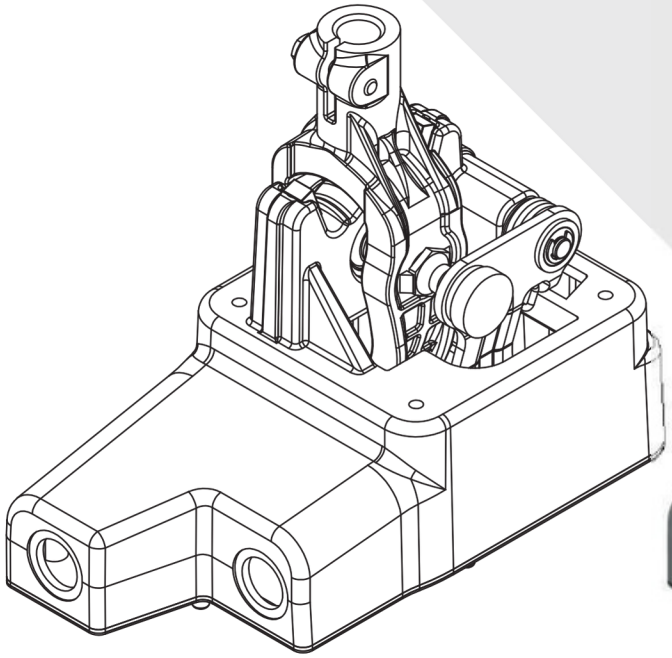


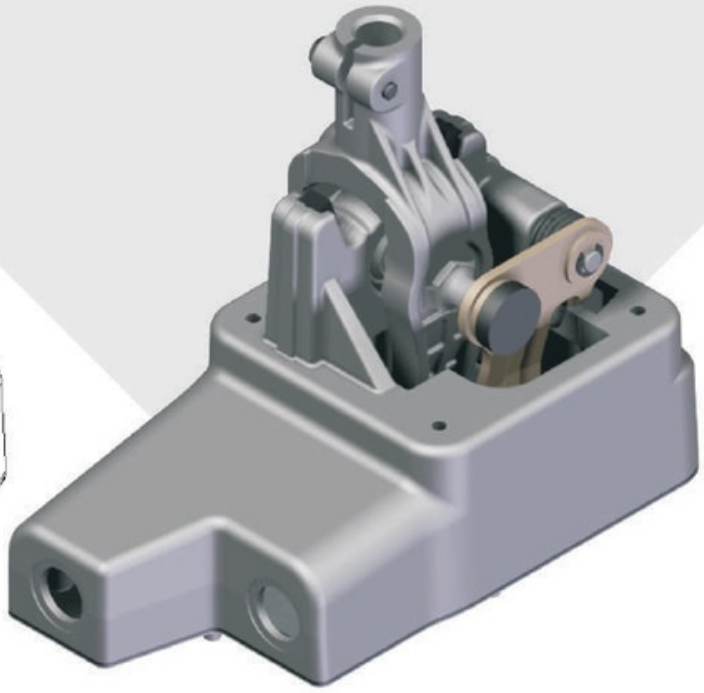


Type : Vertical
Shift Travel Max : 50mm
Select Travel Max : 40mm
M.A. Shift :4.0 (Considering max. lever height 220mm.) M.A. Select :3.7 (Considering max. lever height 220mm.)
Housing : Sheet metal.
Yoke & Side arm : Steel alloy.

NOTE: Lever length is optional but should not be more than 220mm.

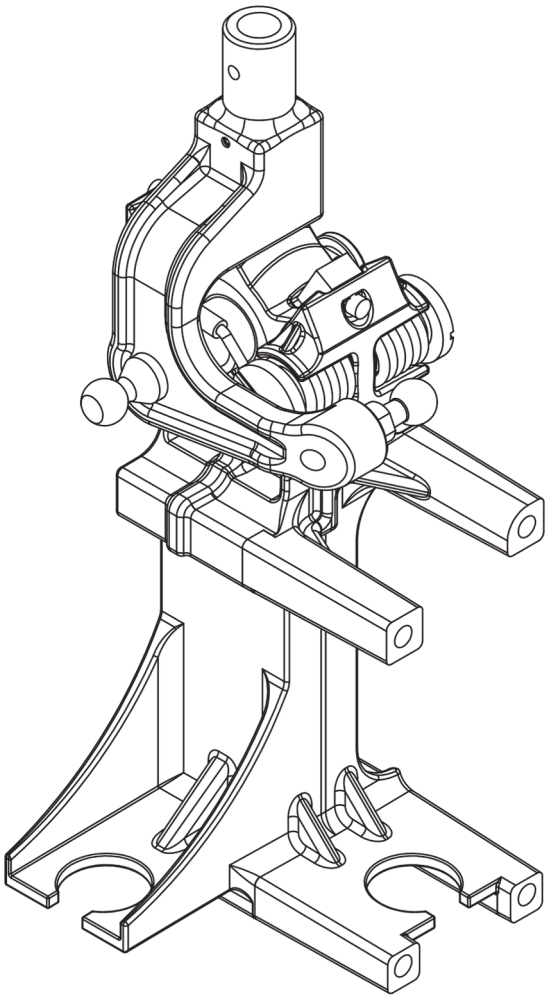
XGS-600

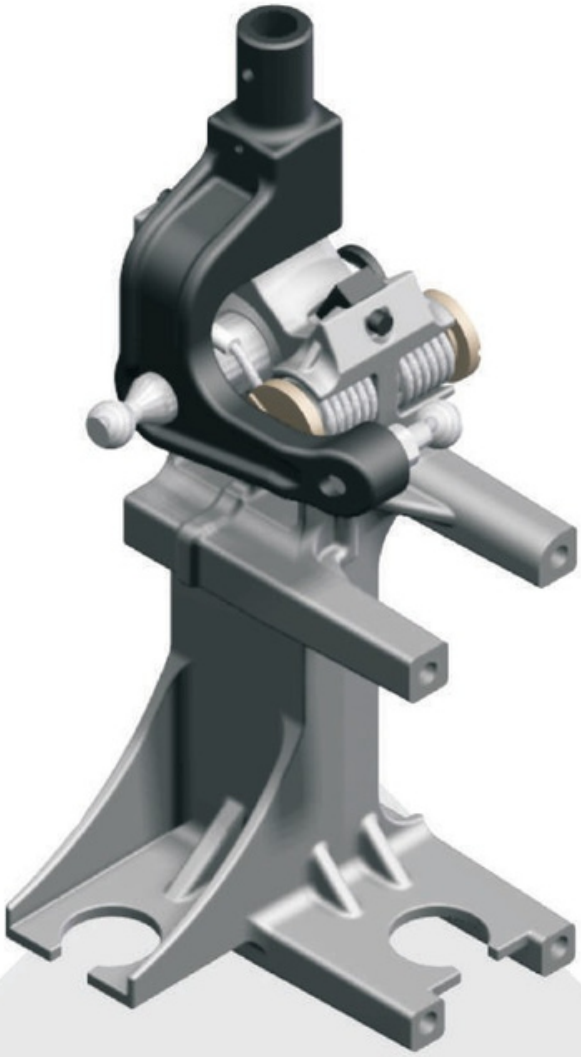




Type : Horizontal
Shift Travel Max : 80mm
Select Travel Max : 52mm
Housing : Cast Aluminum Alloy.
Yoke : Aluminum alloy.

XGS-650

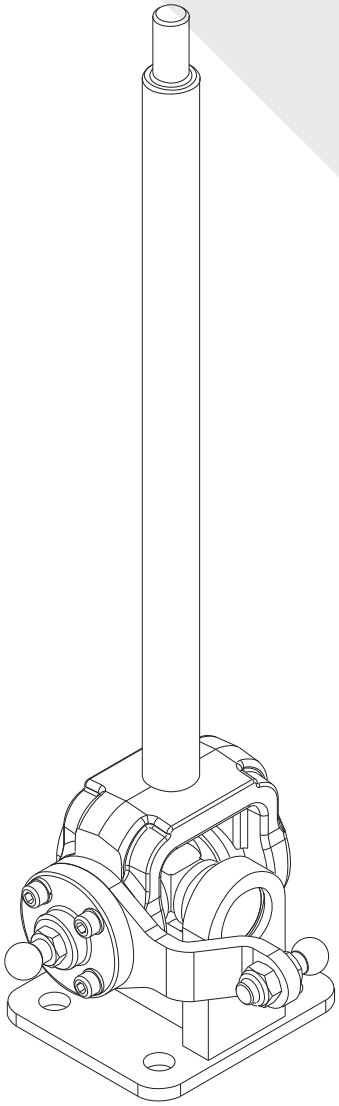


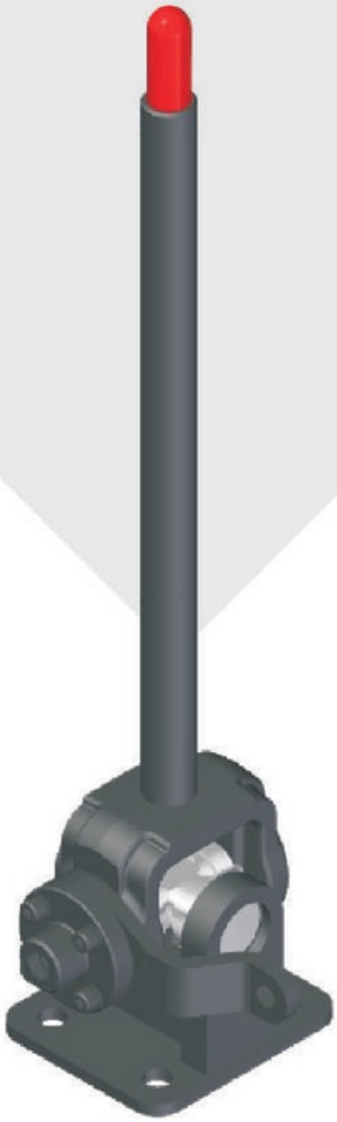


Type: Vertical
Shift TravelMax: 50mm
Select Travel Max : 40mm
Housing : Aluminum HPDC alloy.
Yoke & Side arm : Steel alloy.

NOTE: Lever length is optional but should not be more than 220mm.

XGS-800





Type : Vertical
Shift Travel Max : 50mm
Select Travel Max : 40mm
Away from Driver : Cable Push with GSL on driver's left side
Front of Vehicle : Cable Push with cable exiting to GSL towards rear of the vehicle
M.A. Shift :4.9
M.A. Select :5.3