

# PG-45 Grippers



## STANDARD PADS



CUSTOM PADS AVAILABLE



# PG-45 Locking Grippers

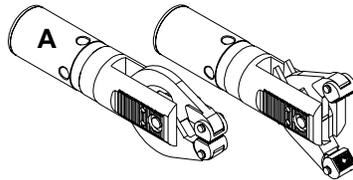
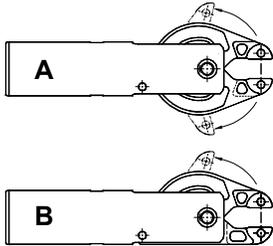


**Locking Grip**  
 Roller finds detent on the cam surface to hold the part if air pressure is lost.

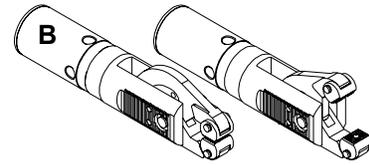


**Adjustable Opening**  
 A single pin adjusts the arm opening to 30° or 45°, remove the pin for 75° opening.

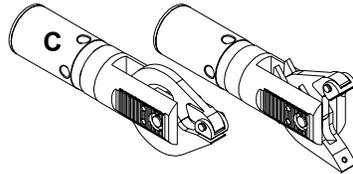
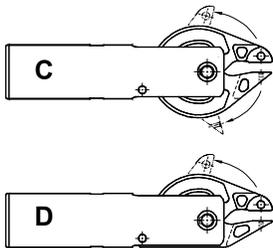
## MODELS



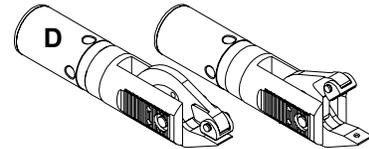
Double Opening  
 Pad Arms  
 30°, 45° or 75°  
 opening per arm  
**PG-45 A**  
 pg. 20



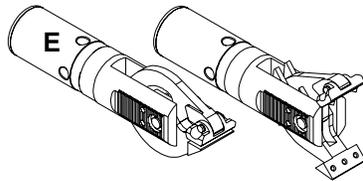
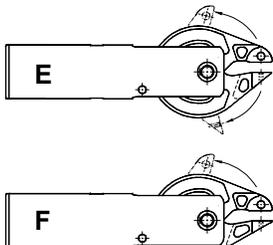
Single Opening  
 Fixed Pad Arm  
 30°, 45° or 75°  
 opening  
**PG-45 B**  
 pg. 21



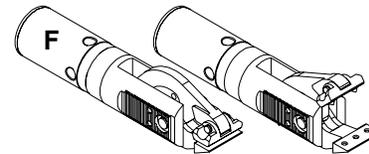
Double Opening  
 Single Chisel Arm  
 30°, 45° or 75°  
 opening per arm  
**PG-45 C**  
 pg. 22



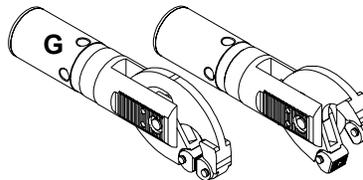
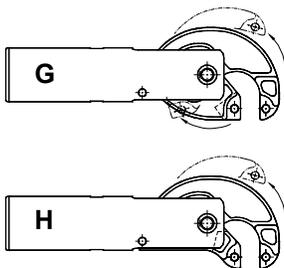
Single Opening Fixed  
 Single Chisel Arm  
 30°, 45° or 75°  
 opening  
**PG-45 D**  
 pg. 23



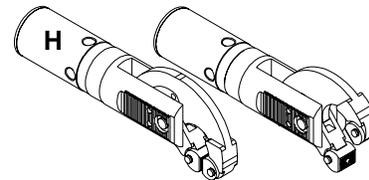
Double Opening  
 Double Chisel Arm  
 30°, 45° or 75°  
 opening per arm  
**PG-45 E**  
 pg. 24



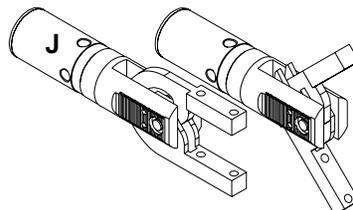
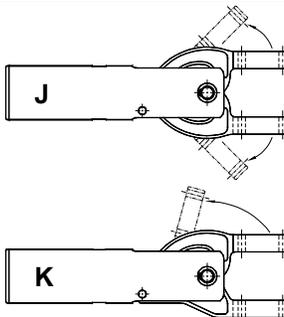
Single Opening Fixed  
 Double Chisel Arm  
 30°, 45° or 75°  
 opening  
**PG-45 F**  
 pg. 25



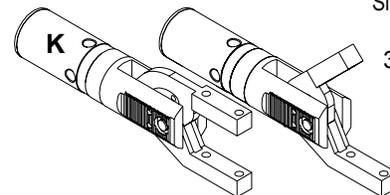
Double Opening  
 Flange Pad Arms  
 30°, 45° or 75°  
 upper arm opening  
 16°, 22° or 45°  
 lower arm opening  
**PG-45 G**  
 pg. 26



Single Opening Fixed  
 Flange Pad Arms  
 30°, 45° or 75°  
 opening  
**PG-45 H**  
 pg. 27



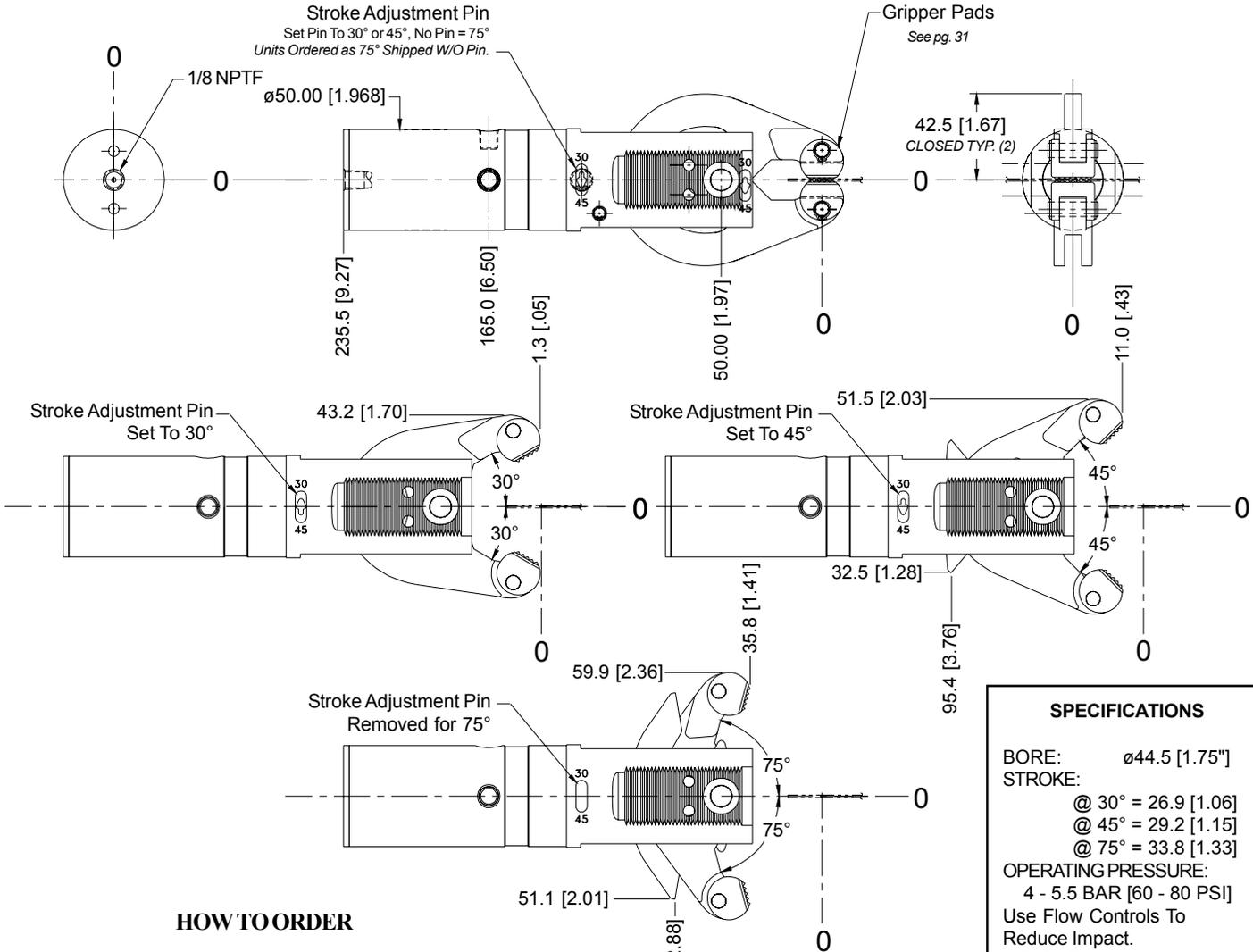
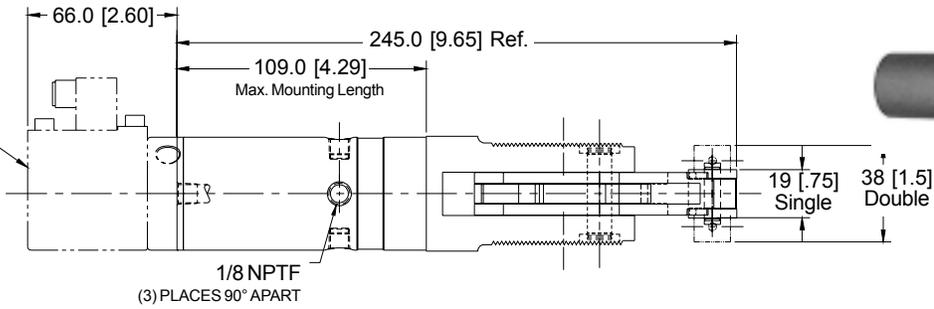
Double Opening  
 Adaptable Arm  
 30° or 45°  
 opening per arm  
**PG-45 J**  
 pg. 28



Single Opening Fixed  
 Adaptable Arm  
 30°, 45° or 75°  
 opening  
**PG-45 K**  
 pg. 29

CAD TEMPLATES  
AVAILABLE

Optional **RSP**  
Rear Switch Package  
See pp. 33-34



### SPECIFICATIONS

BORE: ø44.5 [1.75"]  
STROKE:  
@ 30° = 26.9 [1.06]  
@ 45° = 29.2 [1.15]  
@ 75° = 33.8 [1.33]  
OPERATING PRESSURE:  
4 - 5.5 BAR [60 - 80 PSI]  
Use Flow Controls To  
Reduce Impact.  
WEIGHT: 1.4 kg [2.8 lbs.]  
GRIPPING FORCE:  
@ 4 BAR = 2.2 kN [487 lbs.]  
@ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

MODEL  
ARM STYLE  
ARM OPENING (30°, 45°, or 75°)  
UPPER ARM PAD (pg. 31)  
LOWER ARM PAD (pg. 31)  
MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)  
PART STOPS (pg. 6)  
REAR SWITCH PACKAGE (pp. 33-34)  
SUPPLY VOLTAGE (AC or DC)

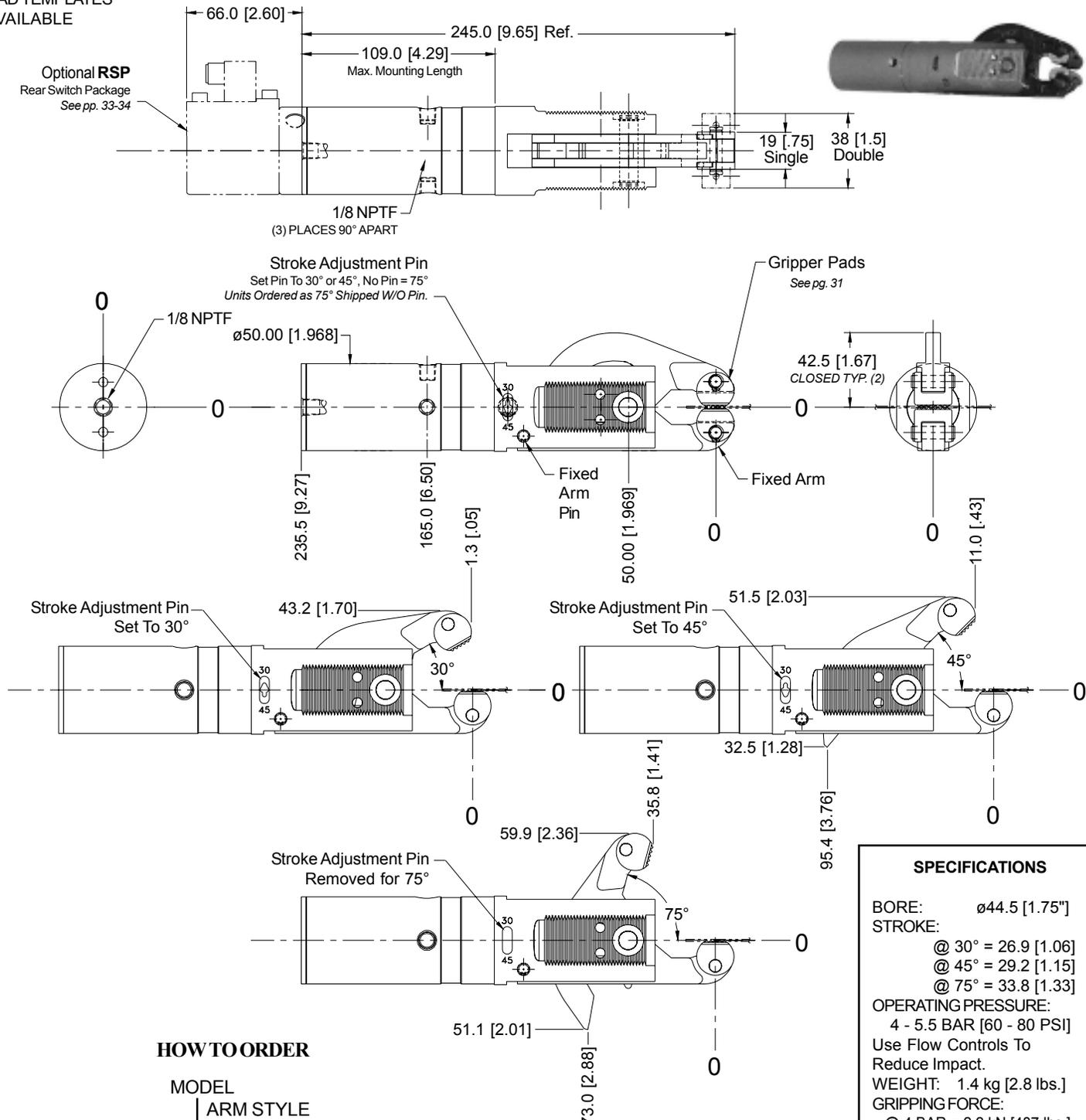
**PG45A - 30 - 3 - 3 - TM - PS - RSPT-DC**

BTM No. 728100A

OPTIONS

PATENTED

CAD TEMPLATES  
AVAILABLE



### SPECIFICATIONS

BORE:	ø44.5 [1.75"]
STROKE:	
	@ 30° = 26.9 [1.06]
	@ 45° = 29.2 [1.15]
	@ 75° = 33.8 [1.33]
OPERATING PRESSURE:	4 - 5.5 BAR [60 - 80 PSI]
	Use Flow Controls To Reduce Impact.
WEIGHT:	1.4 kg [2.8 lbs.]
GRIPPING FORCE:	
	@ 4 BAR = 2.2 kN [487 lbs.]
	@ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

- MODEL
- ARM STYLE
- ARM OPENING (30°, 45°, or 75°)
- UPPER ARM PAD (pg. 31)
- LOWER ARM PAD (pg. 31)
- MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)
- PART STOPS (pg. 6)
- REAR SWITCH PACKAGE (pp. 33-34)
- SUPPLY VOLTAGE (AC or DC)

**PG45B - 30 - 3 - 3 - TM - PS - RSPT-DC**

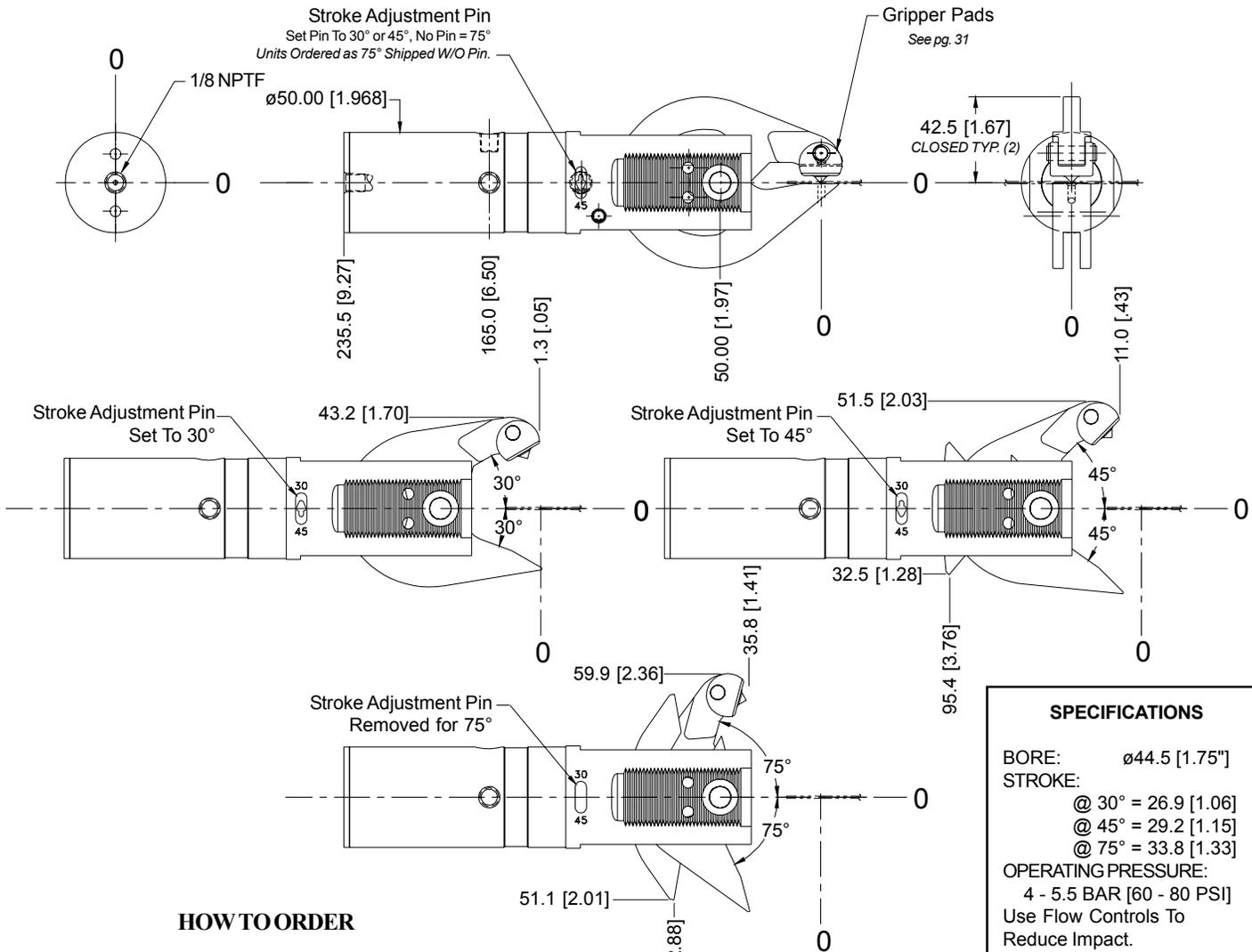
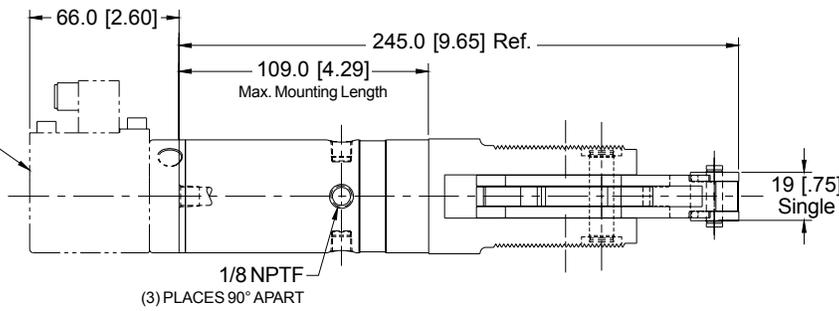
BTM No. 728000A

OPTIONS

PATENTED

CAD TEMPLATES  
AVAILABLE

Optional **RSP**  
Rear Switch Package  
See pp. 33-34



### SPECIFICATIONS

BORE:  $\varnothing 44.5$  [1.75"]  
 STROKE:  
     @ 30° = 26.9 [1.06]  
     @ 45° = 29.2 [1.15]  
     @ 75° = 33.8 [1.33]  
 OPERATING PRESSURE:  
     4 - 5.5 BAR [60 - 80 PSI]  
 Use Flow Controls To  
 Reduce Impact.  
 WEIGHT: 1.4 kg [2.8 lbs.]  
 GRIPPING FORCE:  
     @ 4 BAR = 2.2 kN [487 lbs.]  
     @ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

MODEL  
 ARM STYLE  
 ARM OPENING (30°, 45°, or 75°)  
 UPPER ARM PAD (pg. 31)  
 MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)  
 PART STOPS (pg. 6)  
 REAR SWITCH PACKAGE (pp. 33-34)  
 SUPPLY VOLTAGE (AC or DC)

**PG45C - 30 - 3 - TM - PS - RSPT-DC**

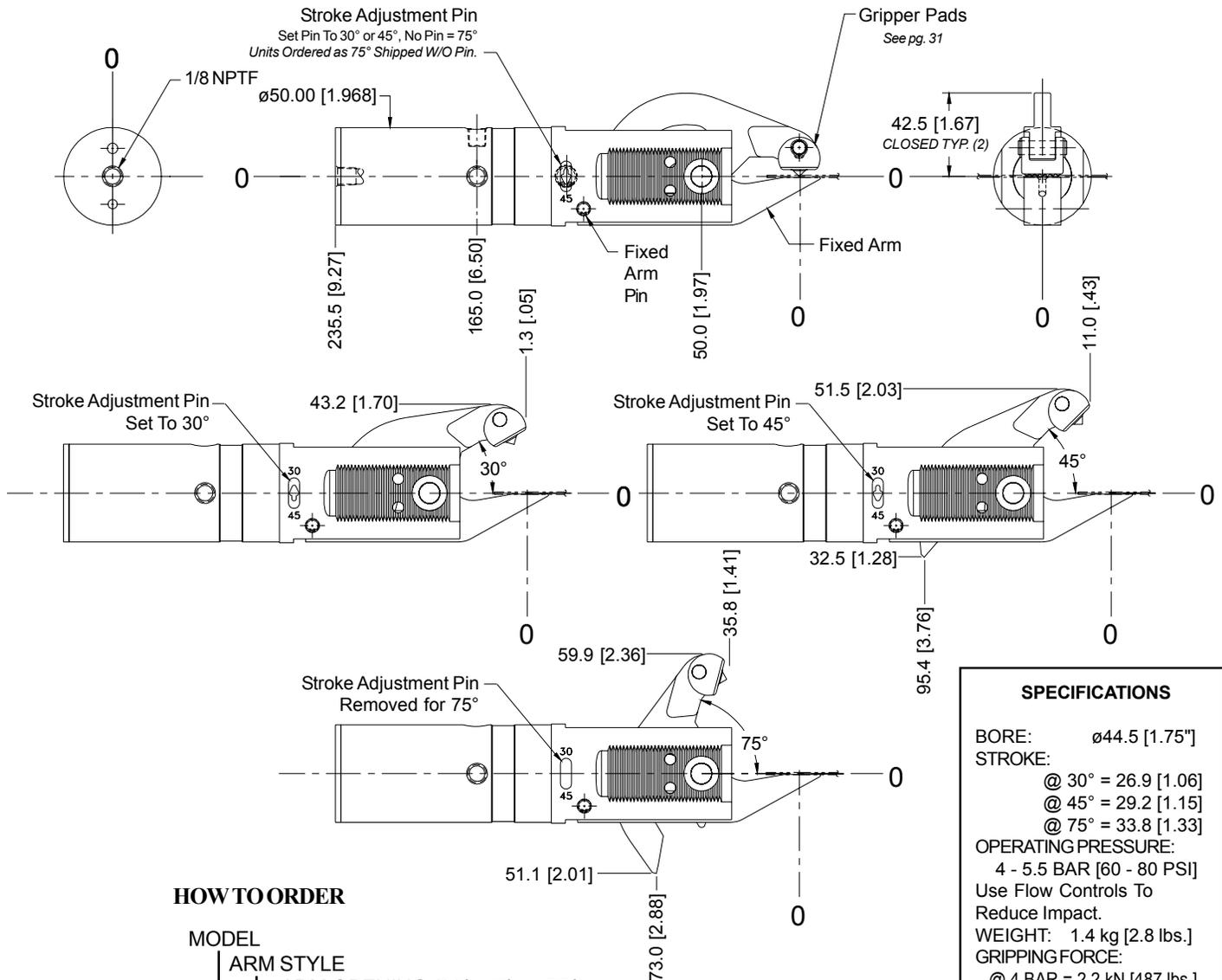
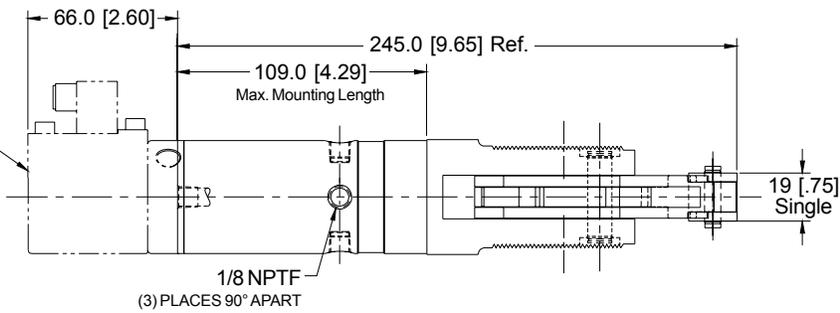
# PG-45D ~ Single Opening ~ Single Chisel Arm

PG-45D BTM No. 728200A



CAD TEMPLATES  
AVAILABLE

Optional RSP  
Rear Switch Package  
See pp. 33-34



### SPECIFICATIONS

- BORE:  $\varnothing 44.5$  [1.75"]
- STROKE:
  - @ 30° = 26.9 [1.06]
  - @ 45° = 29.2 [1.15]
  - @ 75° = 33.8 [1.33]
- OPERATING PRESSURE:
  - 4 - 5.5 BAR [60 - 80 PSI]
- Use Flow Controls To Reduce Impact.
- WEIGHT: 1.4 kg [2.8 lbs.]
- GRIPPING FORCE:
  - @ 4 BAR = 2.2 kN [487 lbs.]
  - @ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

- MODEL
- ARM STYLE
- ARM OPENING (30°, 45°, or 75°)
- UPPER ARM PAD (pg. 31)
- MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)
- PART STOPS (pg. 6)
- REAR SWITCH PACKAGE (pp. 33-34)
- SUPPLY VOLTAGE (AC or DC)

**PG45D - 30 - 3 - TM - PS - RSPT-DC**

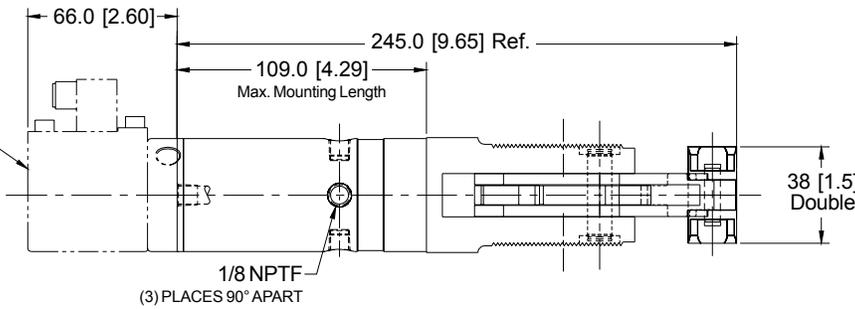
BTM No. 728200A

OPTIONS

PATENTED

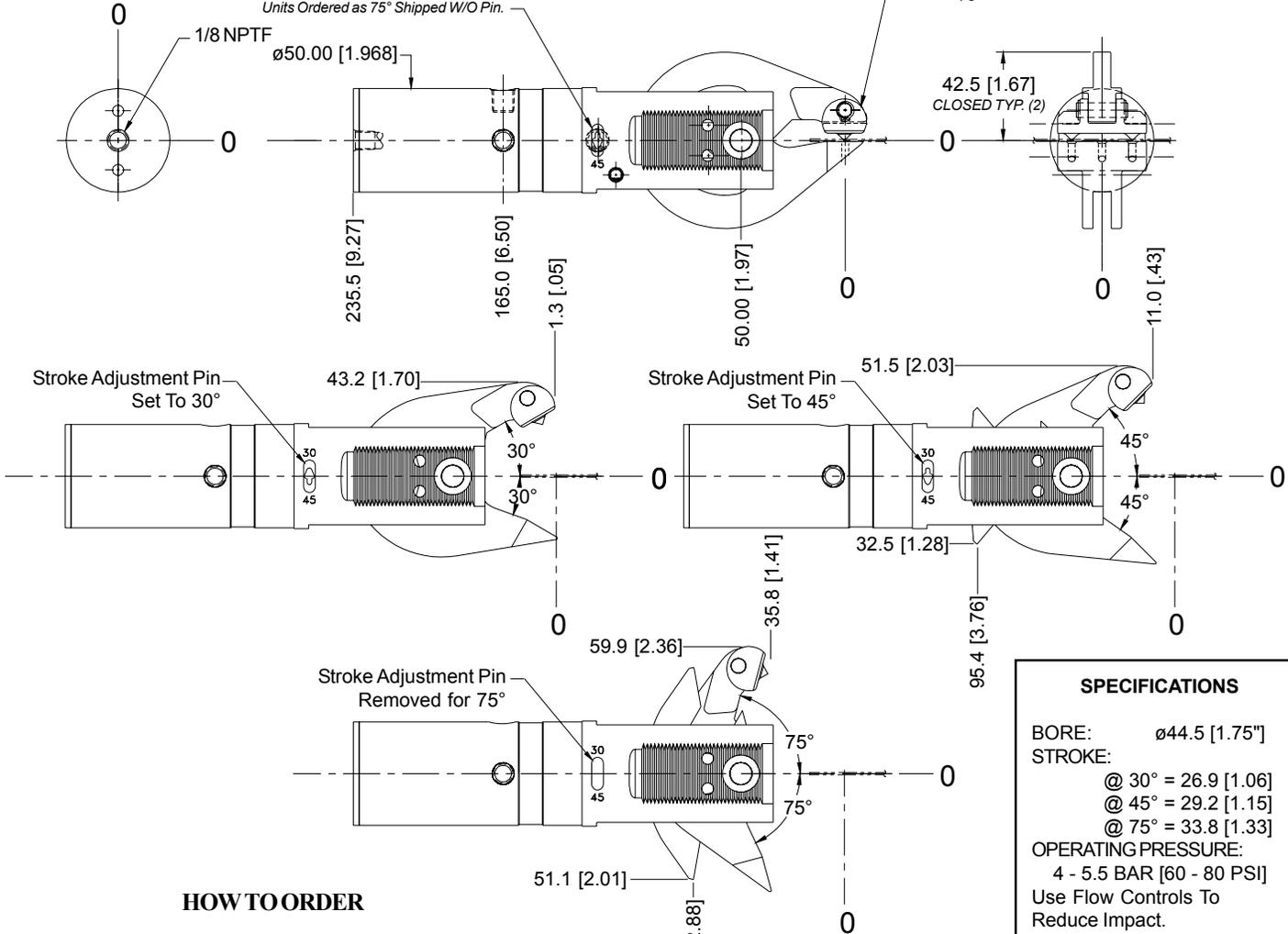
CAD TEMPLATES  
AVAILABLE

Optional **RSP**  
Rear Switch Package  
See pp. 33-34



Stroke Adjustment Pin  
Set Pin To 30° or 45°, No Pin = 75°  
Units Ordered as 75° Shipped W/O Pin.

Gripper Pads  
See pg. 31



### SPECIFICATIONS

BORE: ø44.5 [1.75"]  
 STROKE:  
 @ 30° = 26.9 [1.06]  
 @ 45° = 29.2 [1.15]  
 @ 75° = 33.8 [1.33]  
 OPERATING PRESSURE:  
 4 - 5.5 BAR [60 - 80 PSI]  
 Use Flow Controls To  
 Reduce Impact.  
 WEIGHT: 1.4 kg [2.8 lbs.]  
 GRIPPING FORCE:  
 @ 4 BAR = 2.2 kN [487 lbs.]  
 @ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

MODEL  
 ARM STYLE  
 ARM OPENING (30°, 45°, or 75°)  
 UPPER ARM PAD (pg. 31)  
 MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)  
 PART STOPS (pg. 6)  
 REAR SWITCH PACKAGE (pp. 33-34)  
 SUPPLY VOLTAGE (AC or DC)

**PG45E - 30 - 3 - TM - PS - RSPT-DC**

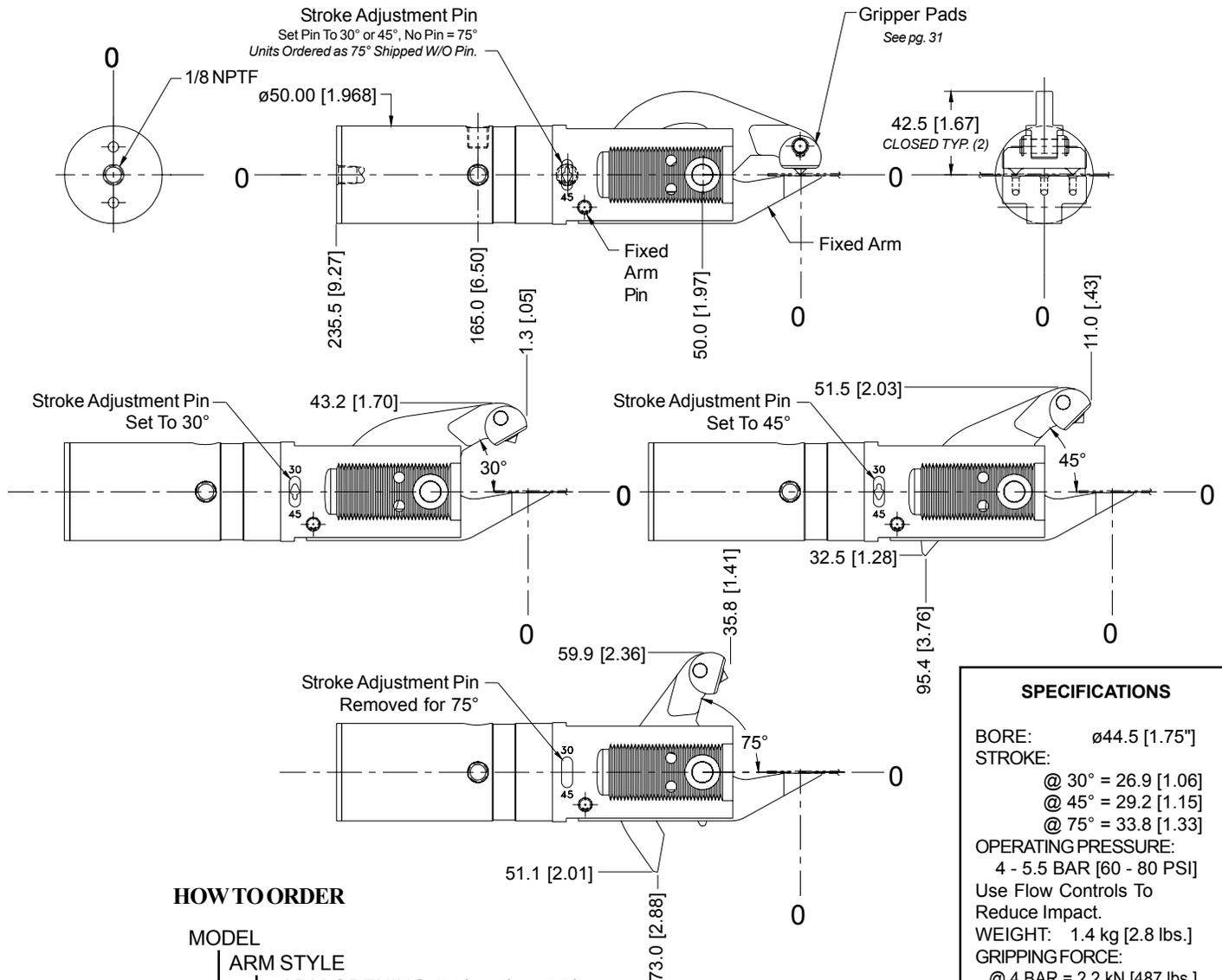
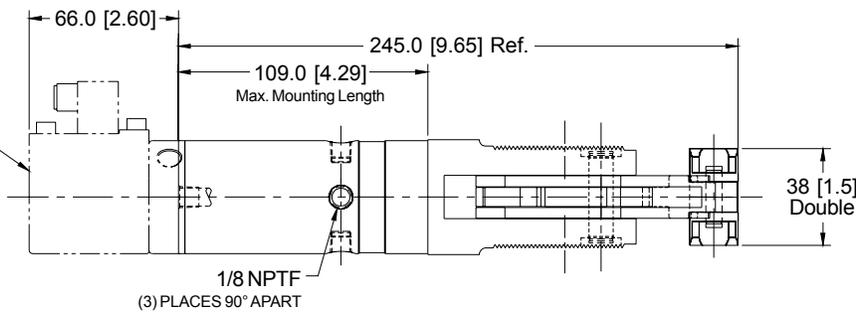
# PG-45F ~ Single Opening ~ Double Chisel Arm

PG-45F BTM No. 728400A



CAD TEMPLATES  
AVAILABLE

Optional **RSP**  
Rear Switch Package  
See pp. 33-34



### SPECIFICATIONS

BORE:	ø44.5 [1.75"]
STROKE:	@ 30° = 26.9 [1.06]
	@ 45° = 29.2 [1.15]
	@ 75° = 33.8 [1.33]
OPERATING PRESSURE:	4 - 5.5 BAR [60 - 80 PSI]
	Use Flow Controls To Reduce Impact.
WEIGHT:	1.4 kg [2.8 lbs.]
GRIPPING FORCE:	@ 4 BAR = 2.2 kN [487 lbs.]
	@ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

- MODEL
- ARM STYLE
- ARM OPENING (30°, 45°, or 75°)
- UPPER ARM PAD (pg. 31)
- MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)
- PART STOPS (pg. 6)
- REAR SWITCH PACKAGE (pp. 33-34)
- SUPPLY VOLTAGE (AC or DC)

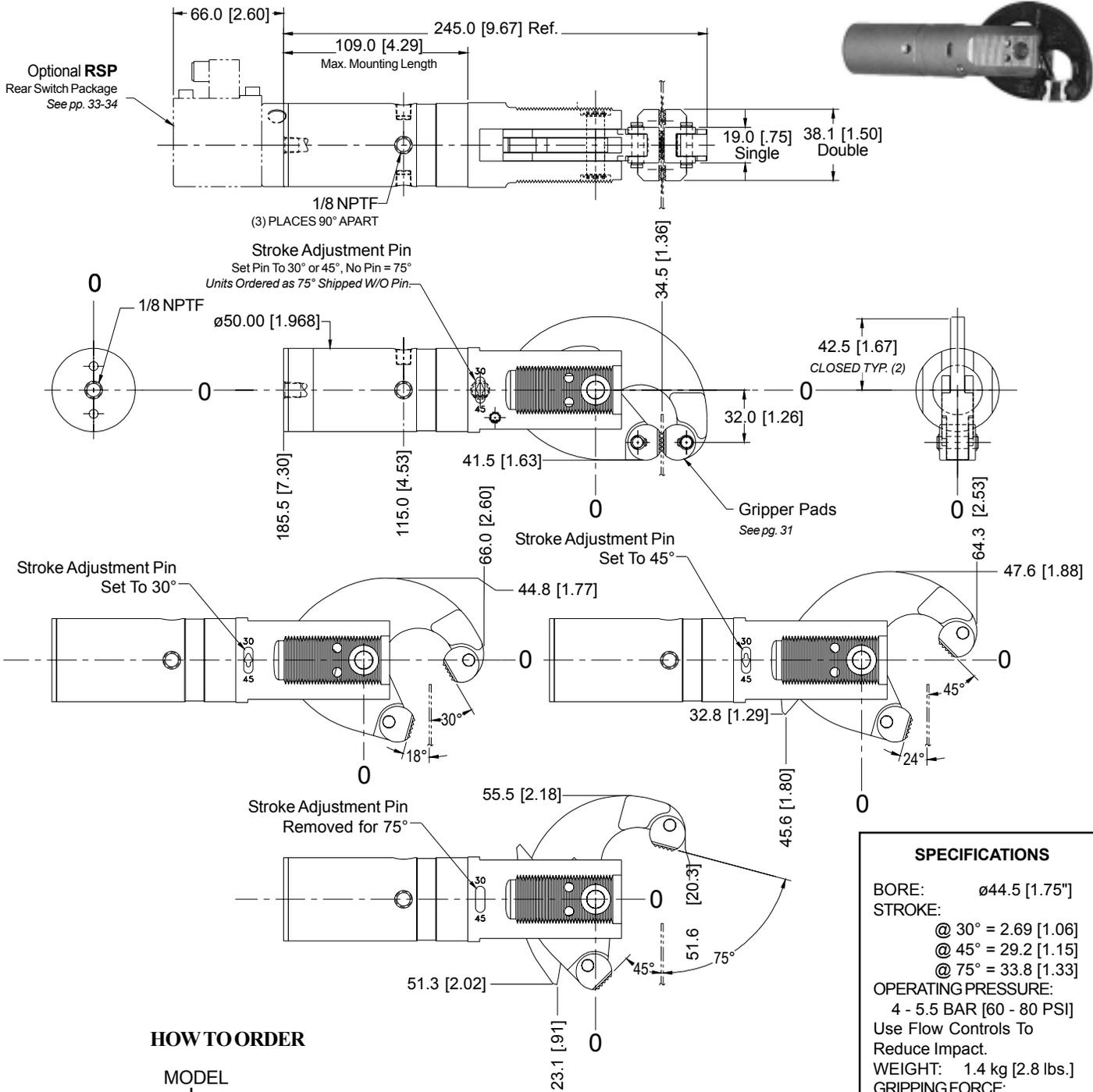
**PG45F - 30 - 3 - TM - PS - RSPT-DC**

BTM No. 728400A

OPTIONS

PATENTED

CAD TEMPLATES AVAILABLE



SPECIFICATIONS	
BORE:	ø44.5 [1.75"]
STROKE:	
	@ 30° = 2.69 [1.06]
	@ 45° = 29.2 [1.15]
	@ 75° = 33.8 [1.33]
OPERATING PRESSURE:	4 - 5.5 BAR [60 - 80 PSI]
	Use Flow Controls To Reduce Impact.
WEIGHT:	1.4 kg [2.8 lbs.]
GRIPPING FORCE:	
	@ 4 BAR = 2.2 kN [487 lbs.]
	@ 5.5 BAR = 2.9 kN [650 lbs.]

### HOW TO ORDER

- MODEL
- ARM STYLE
- ARM OPENING (30°, 45°, or 75°)
- UPPER ARM PAD (pg. 31)
- LOWER ARM PAD (pg. 31)
- MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)
- PART STOPS (pg. 6)
- REAR SWITCH PACKAGE (pp. 33-34)
- SUPPLY VOLTAGE (AC or DC)

**PG45G - 30 - 3 - 3 - TM - PS - RSPT-DC**

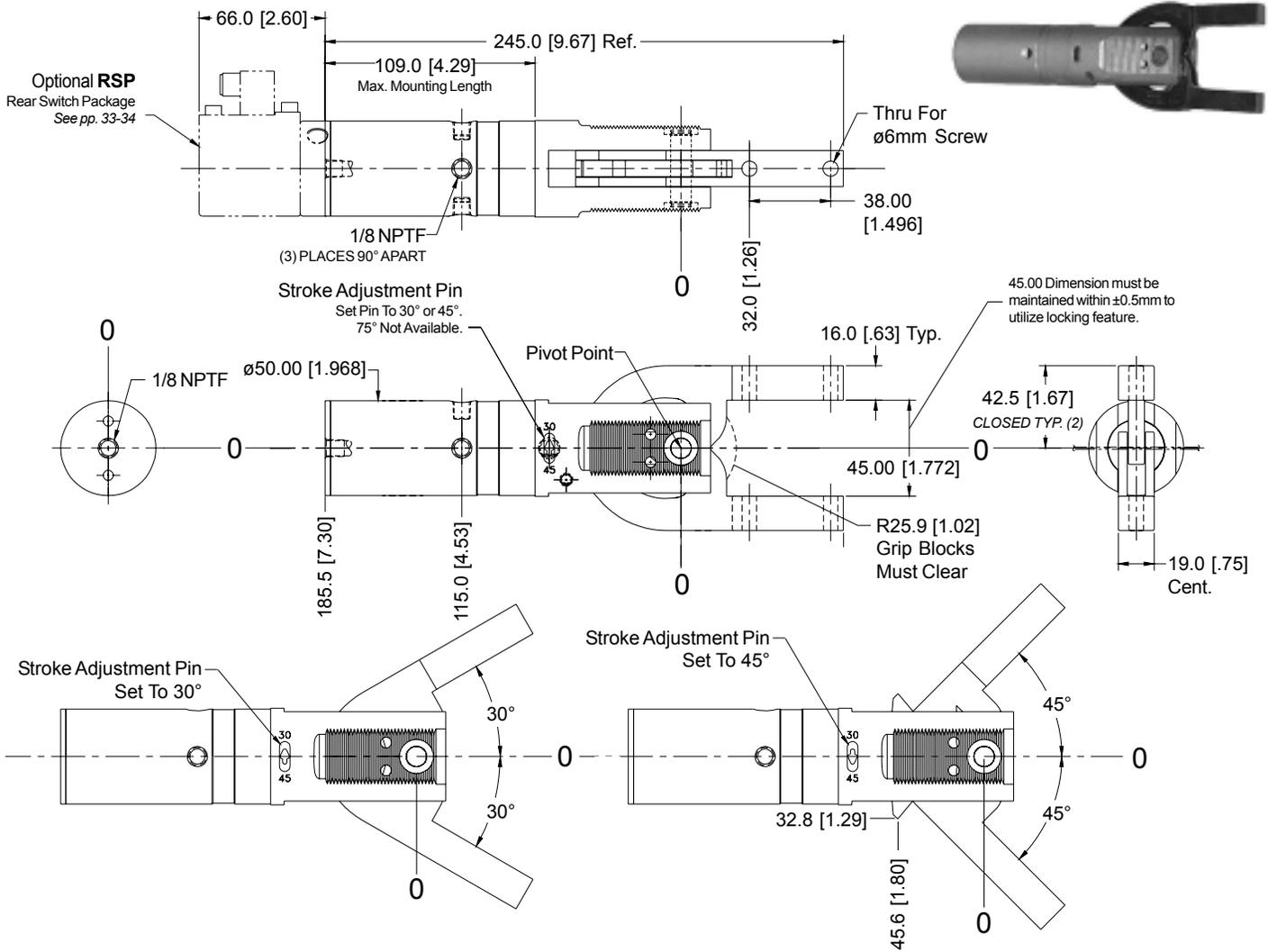
BTM No. 733100A

OPTIONS

PATENTED



CAD TEMPLATES AVAILABLE



**75° Opening Gripper Not Available**

### SPECIFICATIONS

BORE:  $\varnothing 44.5$  [1.75"]

STROKE:  
 @ 30° = 26.9 [1.06]  
 @ 45° = 29.2 [1.15]

OPERATING PRESSURE:  
 4 - 5.5 BAR [60 - 80 PSI]  
 Use Flow Controls To Reduce Impact.

WEIGHT: 1.4 kg [2.8 lbs.]

### HOW TO ORDER

MODEL

ARM STYLE

ARM OPENING (30° or 45°)

MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)

PART STOPS (pg. 6)

REAR SWITCH PACKAGE (pp. 33-34)

SUPPLY VOLTAGE (AC or DC)

**PG45J - 30 - TM - PS - RSPT-DC**

BTM No. 735000A

OPTIONS

GRIPPING FORCE (lbs.) =  $15 \times$  Line Pressure (PSI) Length (In.) From Pivot Point To Center Of Gripping Contact

GRIPPING FORCE (N) =  $25,000 \times$  Line Pressure (Bars) Length (mm) From Pivot Point To Center Of Gripping Contact

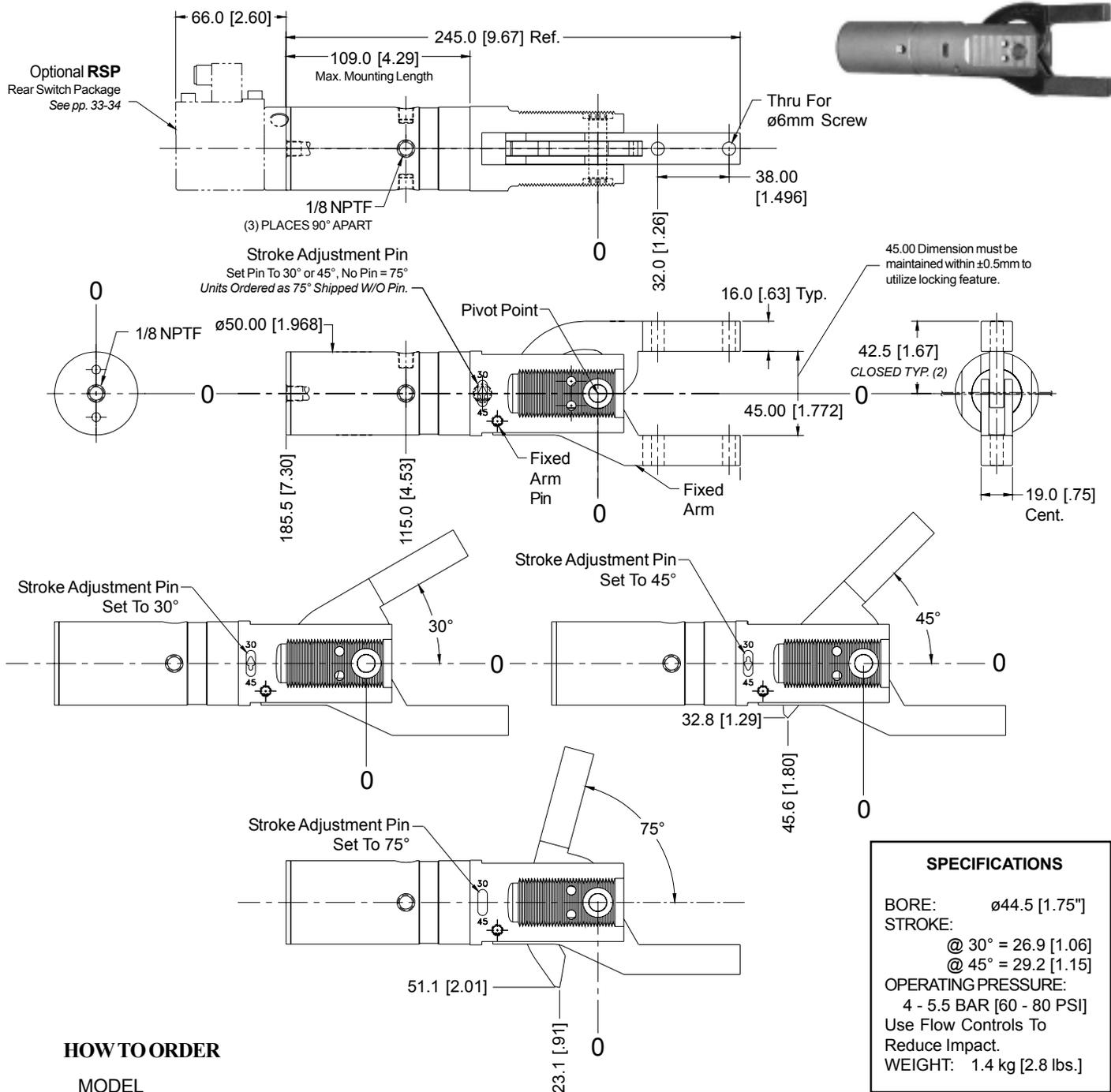
PATENTED

# PG-45K ~ Single Opening ~ Adaptable Arms

PG-45K BTM No. 734900A



CAD TEMPLATES AVAILABLE



## HOW TO ORDER

- MODEL
- ARM STYLE
  - ARM OPENING (30° or 45°)
  - MOUNTS (BM, BM - BM, TM, or HTM - pg. 32)
  - PART STOPS (pg. 6)
  - REAR SWITCH PACKAGE (pp. 33-34)
  - SUPPLY VOLTAGE (AC or DC)

**PG45J - 30 - TM - PS - RSPT-DC**

BTM No. 734900A

OPTIONS

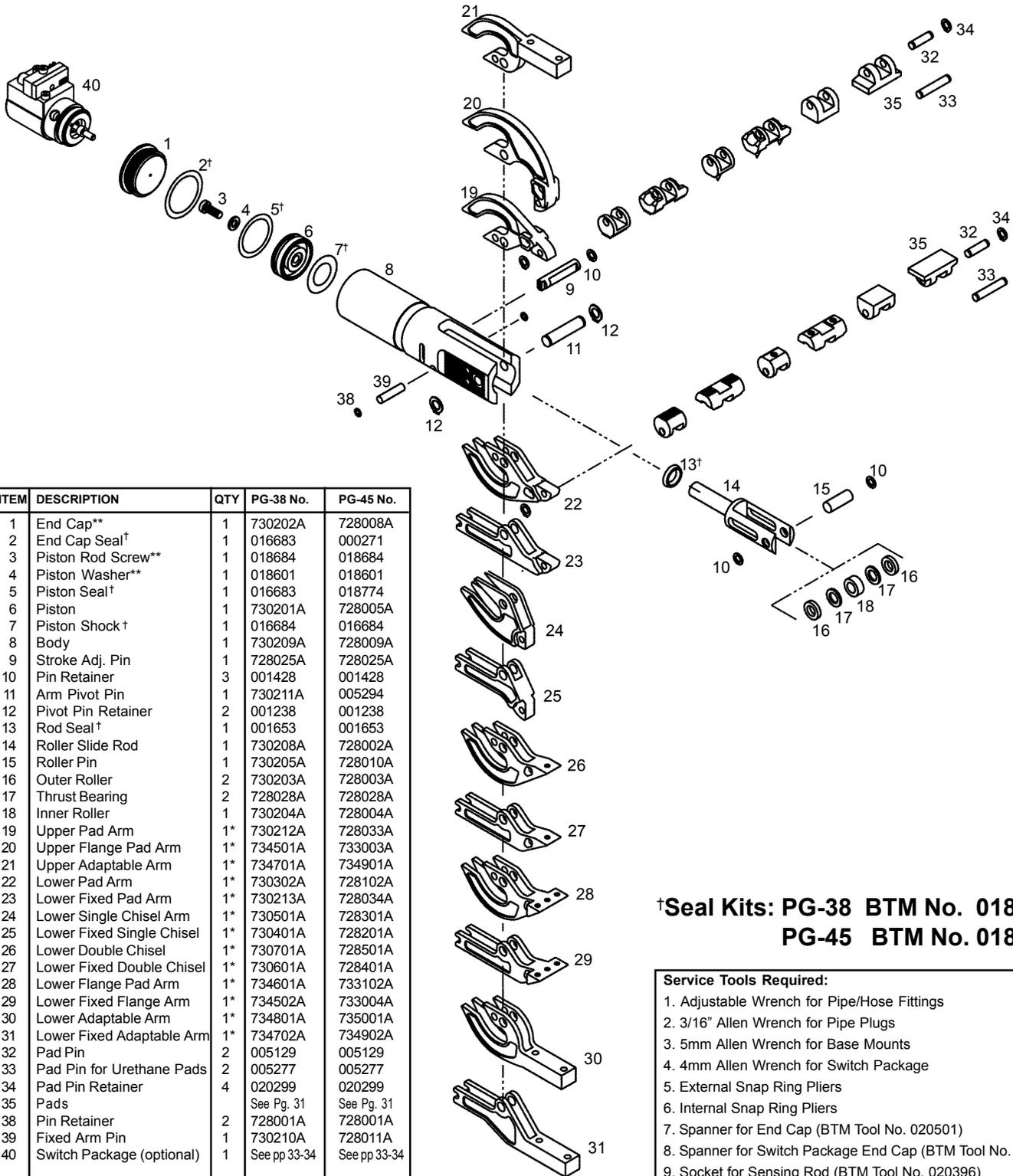
## SPECIFICATIONS

BORE:  $\varnothing 44.5$  [1.75"]  
 STROKE:  
 @ 30° = 26.9 [1.06]  
 @ 45° = 29.2 [1.15]  
 OPERATING PRESSURE:  
 4 - 5.5 BAR [60 - 80 PSI]  
 Use Flow Controls To  
 Reduce Impact.  
 WEIGHT: 1.4 kg [2.8 lbs.]

GRIPPING FORCE (lbs.) =  $15 \times$  Line Pressure (PSI)  
 Length (In.) From Pivot Point To  
 Center Of Gripping Contact

GRIPPING FORCE (N) =  $25,000 \times$  Line Pressure (Bars)  
 Length (mm) From Pivot Point To  
 Center Of Gripping Contact

PATENTED



ITEM	DESCRIPTION	QTY	PG-38 No.	PG-45 No.
1	End Cap**	1	730202A	728008A
2	End Cap Seal†	1	016683	000271
3	Piston Rod Screw**	1	018684	018684
4	Piston Washer**	1	018601	018601
5	Piston Seal†	1	016683	018774
6	Piston	1	730201A	728005A
7	Piston Shock †	1	016684	016684
8	Body	1	730209A	728009A
9	Stroke Adj. Pin	1	728025A	728025A
10	Pin Retainer	3	001428	001428
11	Arm Pivot Pin	1	730211A	005294
12	Pivot Pin Retainer	2	001238	001238
13	Rod Seal †	1	001653	001653
14	Roller Slide Rod	1	730208A	728002A
15	Roller Pin	1	730205A	728010A
16	Outer Roller	2	730203A	728003A
17	Thrust Bearing	2	728028A	728028A
18	Inner Roller	1	730204A	728004A
19	Upper Pad Arm	1*	730212A	728033A
20	Upper Flange Pad Arm	1*	734501A	733003A
21	Upper Adaptable Arm	1*	734701A	734901A
22	Lower Pad Arm	1*	730302A	728102A
23	Lower Fixed Pad Arm	1*	730213A	728034A
24	Lower Single Chisel Arm	1*	730501A	728301A
25	Lower Fixed Single Chisel	1*	730401A	728201A
26	Lower Double Chisel	1*	730701A	728501A
27	Lower Fixed Double Chisel	1*	730601A	728401A
28	Lower Flange Pad Arm	1*	734601A	733102A
29	Lower Fixed Flange Arm	1*	734502A	733004A
30	Lower Adaptable Arm	1*	734801A	735001A
31	Lower Fixed Adaptable Arm	1*	734702A	734902A
32	Pad Pin	2	005129	005129
33	Pad Pin for Urethane Pads	2	005277	005277
34	Pad Pin Retainer	4	020299	020299
35	Pads		See Pg. 31	See Pg. 31
38	Pin Retainer	2	728001A	728001A
39	Fixed Arm Pin	1	730210A	728011A
40	Switch Package (optional)	1	See pp 33-34	See pp 33-34

†Seal Kits: PG-38 BTM No. 018672  
PG-45 BTM No. 018628

- Service Tools Required:**
1. Adjustable Wrench for Pipe/Hose Fittings
  2. 3/16" Allen Wrench for Pipe Plugs
  3. 5mm Allen Wrench for Base Mounts
  4. 4mm Allen Wrench for Switch Package
  5. External Snap Ring Pliers
  6. Internal Snap Ring Pliers
  7. Spanner for End Cap (BTM Tool No. 020501)
  8. Spanner for Switch Package End Cap (BTM Tool No. 020499)
  9. Socket for Sensing Rod (BTM Tool No. 020396)

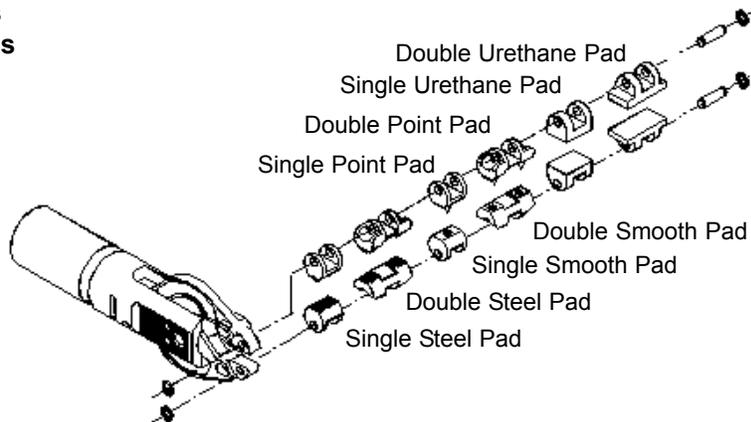
\*\* Details 1, 3 & 4 are omitted when gripper is fitted with switch package.  
\* 1 Upper & 1 Lower Arm per unit.

## Interchangeable Gripper Pads Fits both PG 38 & PG 45 Models



± 5°  
Self-Aligning  
Gripper Pads

Custom pads can be  
manufactured to meet your  
specific application.  
Contact BTM for details.



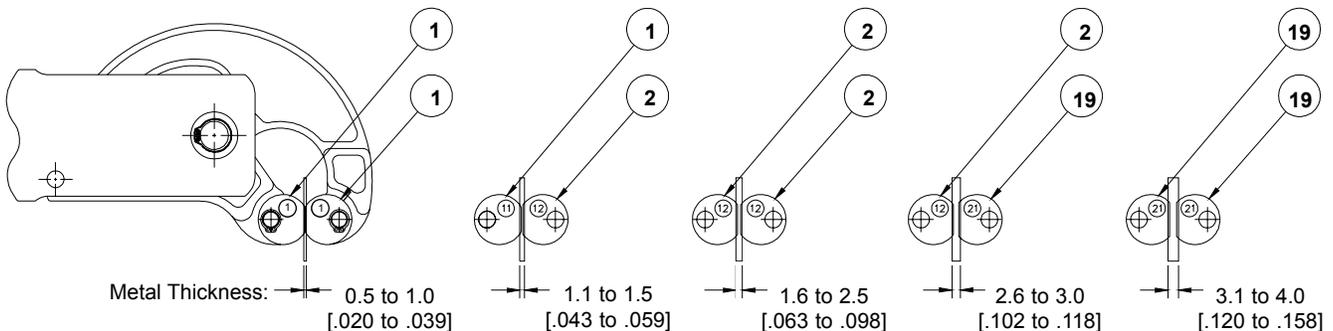
### GRIPPER PADS

<p><b>Single Steel Pads</b> For Material Thickness See Above 1 - No. 728039A [P] 2 - No. 728040A [W] 19 - No. 728056A [Y] Use in pairs or w/ Point Pads</p>	<p><b>Double Steel Pads</b> For Material Thickness See Above 3 - No. 728037A [P] 4 - No. 728038A [W] 20 - No. 728055A [Y] Use in pairs or w/ Point Pads</p>	<p><b>Single Point Pads</b> For Material Thickness See Above 5 - No. 728043A [P] 6 - No. 728044A [W] Use w/ Steel or Smooth Pads or Chisel</p>	<p><b>Double Point Pads</b> For Material Thickness See Above 7 - No. 728041A [P] 8 - No. 728042A [W] Use w/ Steel or Smooth Pads or Chisel</p>
<p><b>Single Urethane Pads</b> 9/60 - Soft ~ Yellow No. 728000L 9/90 - Hard ~ Orange No. 728000J Use in pairs</p>	<p><b>Double Urethane Pads</b> 10/60 - Soft ~ Yellow No. 728000M 10/90 - Hard ~ Orange No. 728000K Use in pairs</p>	<p><b>Single Smooth Pads</b> For Material Thickness See Above 11 - No. 728047A [P] 12 - No. 728048A [W] 21 - No. 728057A [Y] Use in pairs or w/ Point Pads</p>	<p><b>Double Smooth Pads</b> For Material Thickness See Above 13 - No. 728049A [P] 14 - No. 728050A [W] 22 - No. 728058A [Y]</p>

### Selection of Gripper Pad Combinations for Metal Thickness

<p>Pad No. {</p> <ul style="list-style-type: none"> <li>① Single Steel Pad (728039A) ~ "A" = 13.08mm [.515"]</li> <li>② Single Steel Pad (728040A) ~ "A" = 12.37mm [.487"]</li> <li>⑱ Single Steel Pad (728056A) ~ "A" = 11.66mm [.459"]</li> </ul>	<p>Gripper Pad "A" Dimension</p>
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**NOTE: URETHANE PADS  
WORK FOR ALL METAL  
THICKNESS COMBINATIONS**

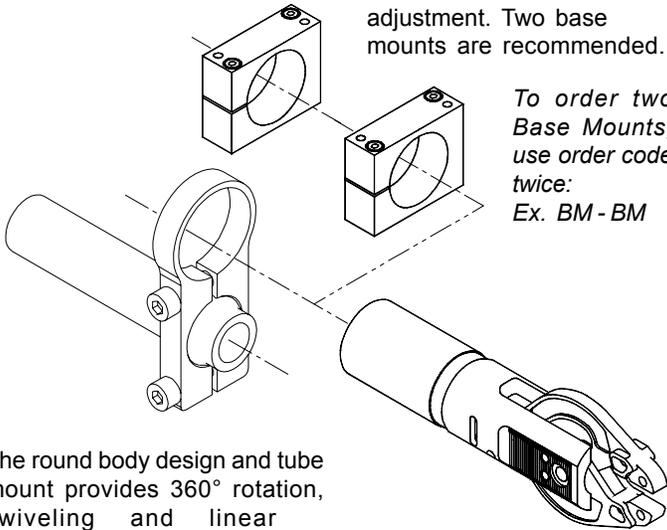


Gripper Pad Color Coding:	Metal Thickness	Single Steel	Double Steel	Single Point	Double Point	Single Smooth	Double Smooth	Color
[P]=Pink	0.5 to 1.0 [.020 to .039]	1+1	3+3	5+11	7+13	11+11	13+13	Pink
[W]=White	1.1 to 1.5 [.043 to .059]	1+2	3+4	5+12	7+14	11+12	13+14	Pink+White
[Y]=Yellow	1.6 to 2.5 [.063 to .098]	2+2	4+4	6+12	8+14	12+12	14+14	White
	2.6 to 3.0 [.102 to .118]	2+19	4+20	6+21	8+22	12+21	14+22	White+Yellow
	3.1 to 4.0 [.120 to .158]	19+19	20+20			21+21	22+22	Yellow

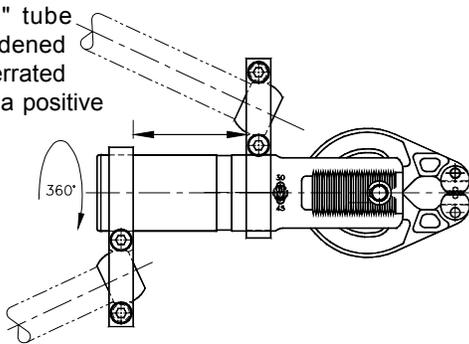
## Gripper Mounts

The round body design and base mount provides 360° rotation and linear adjustment. Two base mounts are recommended.

To order two Base Mounts, use order code twice:  
Ex. BM - BM

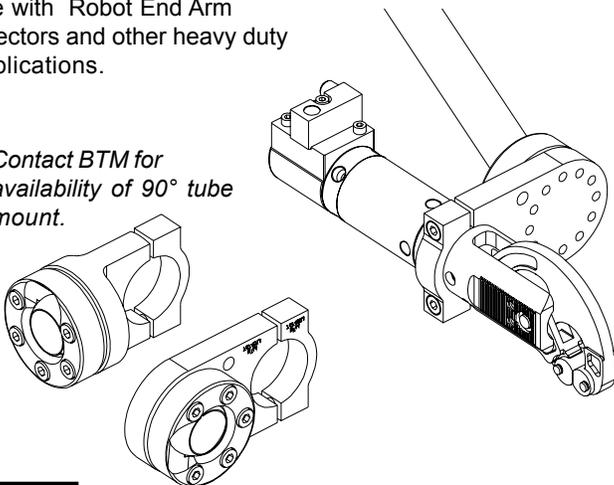


The round body design and tube mount provides 360° rotation, swiveling and linear adjustment. The 1" tube mount uses a hardened steel swivel with serrated surfaces to provide a positive locked position.



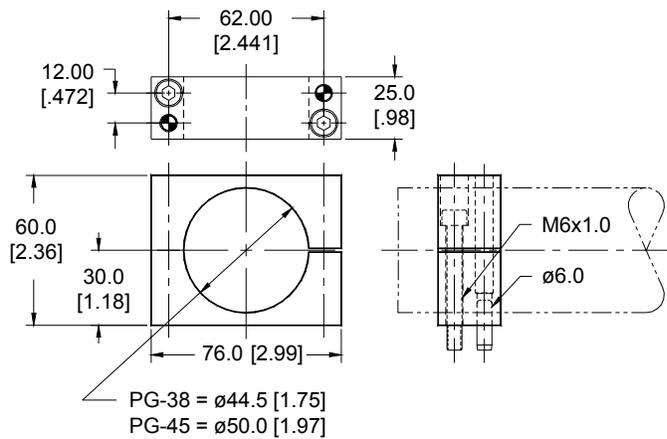
The 1 1/4" tube mount is available in 90° and in-line configurations. It is ideal for use with Robot End Arm Effectors and other heavy duty applications.

Contact BTM for availability of 90° tube mount.



## (BM) Base Mount

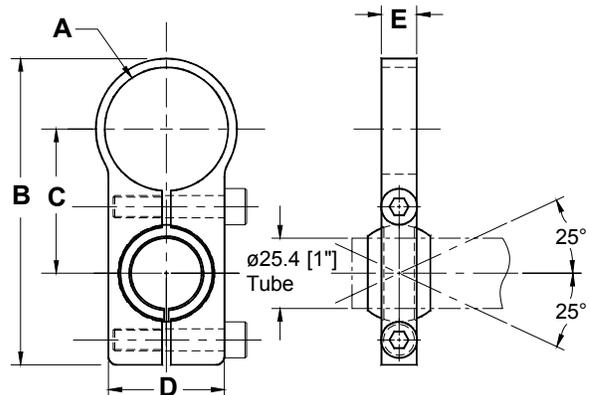
PG-38 ~ No. 730200C • PG-45 ~ No. 728000E



## (TM) Tube Mount

PG-38 ~ No. 708700D

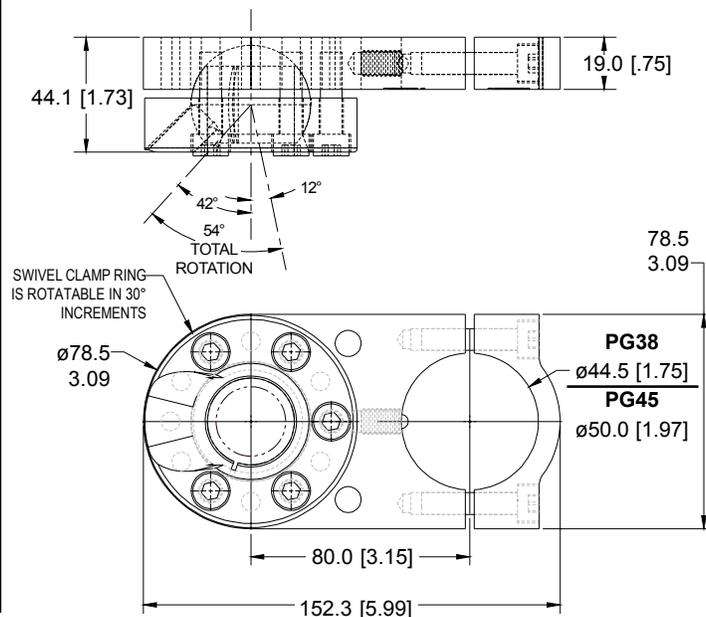
• PG-45 ~ No. 728000D



	A	B	C	D	E
PG-38	ø44.5 [1.75]	110.4 [4.35]	52.0 [2.05]	41.7 [1.64]	12.7 [.50]
PG-45	ø50.0 [1.97]	116.2 [4.57]	55.0 [2.17]	41.7 [1.64]	12.7 [.50]

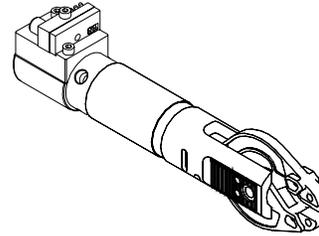
## (HTM) 1 1/4" Tube Mount

PG-38 ~ No. 767400L • PG-45 ~ No. 767400J



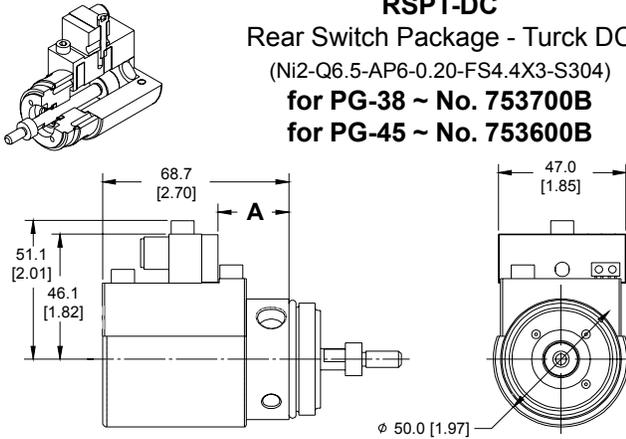
## Position Sensors

Single Connector Status Controller  
AC or DC Proximity Switch  
Senses Open & Closed Positions



### RSPT-DC

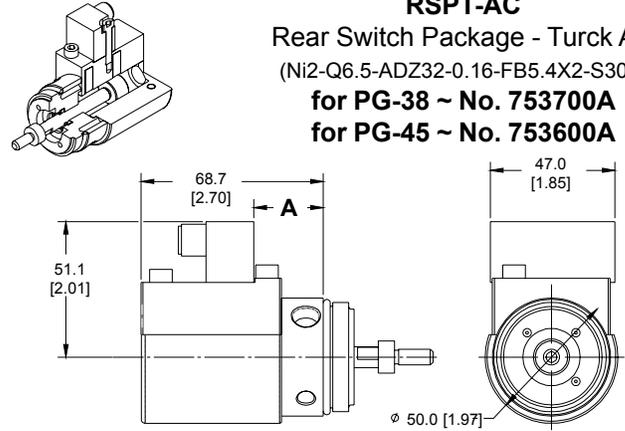
Rear Switch Package - Turck DC  
(Ni2-Q6.5-AP6-0.20-FS4.4X3-S304)  
for PG-38 ~ No. 753700B  
for PG-45 ~ No. 753600B



	A
PG-38 w/DC	26.2 [1.03]
PG-45 w/DC	29.0 [1.14]

### RSPT-AC

Rear Switch Package - Turck AC  
(Ni2-Q6.5-ADZ32-0.16-FB5.4X2-S304)  
for PG-38 ~ No. 753700A  
for PG-45 ~ No. 753600A



	A
PG-38 w/AC	26.2 [1.03]
PG-45 w/AC	29.0 [1.14]

### Components

ITEM	DESCRIPTION	QTY	PG-38	PG-45
1	DC Status Controller*	1	018426	018426
	AC Status Controller		019328	019328
2	Screw	2	016452	016452
3	Sensor Block	1	753701A	753601A
4	Screw	1	018495	018495
5	Sensor Can	1	744303A	744303A
6	Retainer	1	005241	005241
7	Prox Target	1	739501A	739501A
8	End Cap	1	744401A	744301A
9	Seal	1	020293	020293
10	O Ring	1	016643	000271
11	Sensing Rod	1	734301A	734201A

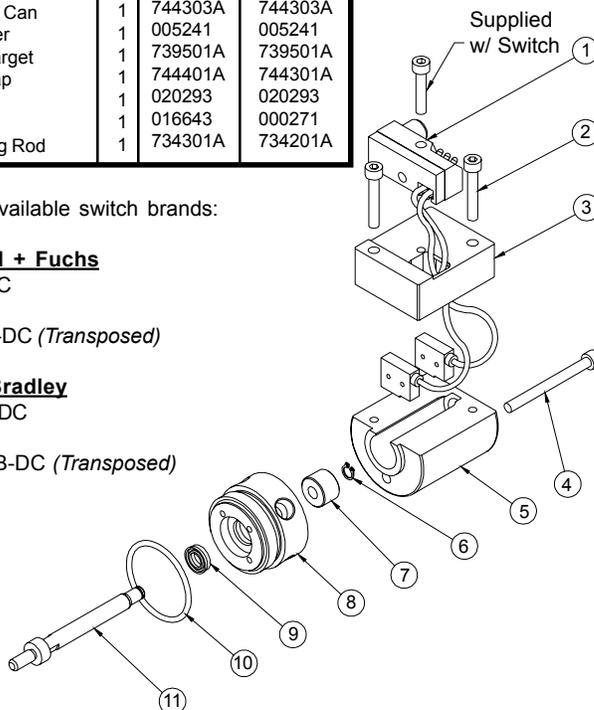
\*Other available switch brands:

#### Pepperl + Fuchs

RSPP-DC  
or  
TRSP-DC (Transposed)

#### Allen Bradley

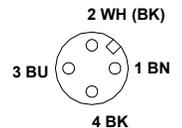
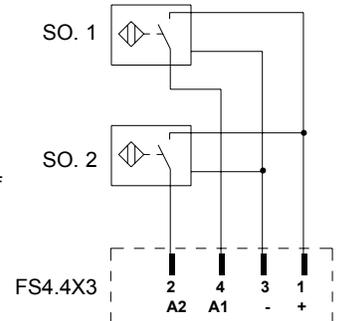
RSPAB-DC  
or  
TRSPAB-DC (Transposed)



### DC ~ Status Controller

Two Sensors  
Supply Voltage: 10-30 VDC  
Load Current:  $\leq 150\text{mA}$   
Single Connector ~ Conprox®

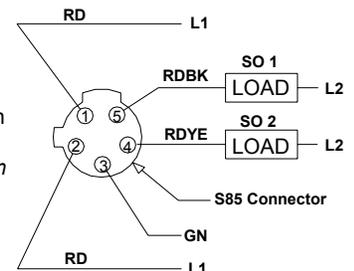
SO. 2 reads the closed position of the gripper.  
If SO. 2 is required for the open position (transposed), order: TRSPT-DC

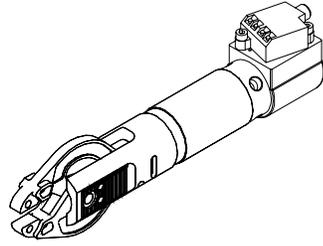


### AC ~ Status Controller

Two Sensors  
Supply Voltage: 20-250 VAC  
Load Current:  $\leq 100\text{mA}$   
Single Connector ~ S85

SO. 2 reads the closed position of the gripper.  
If SO. 2 is required for the open position (transposed), order: TRSPT-AC

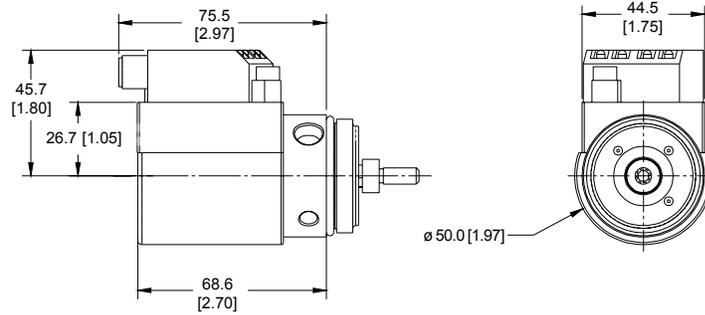




## Position Sensors

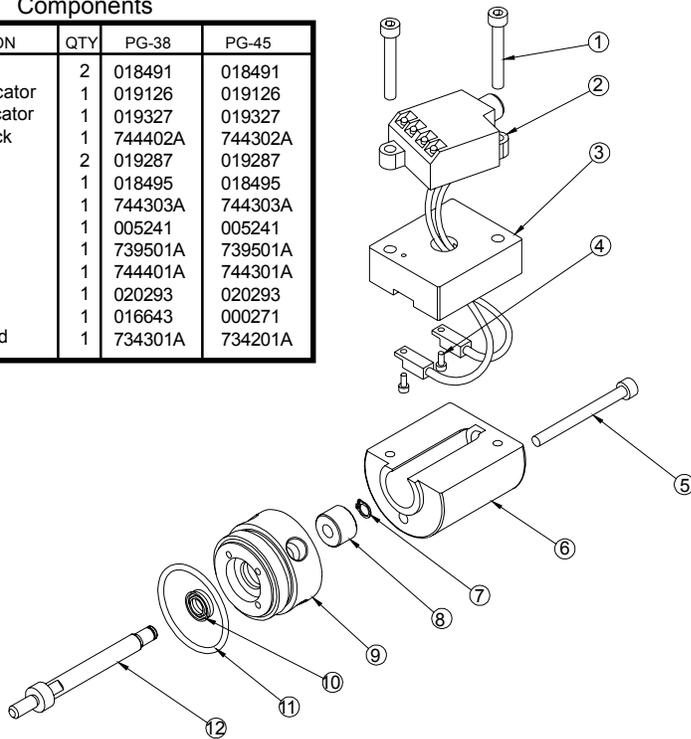
Single Connector C2000 Cylindicator  
DC Proximity Switch  
Senses Open & Closed Positions

**RSPN-DC**  
Rear Switch Package - Namco DC  
EE280-92140  
for PG-38 ~ No. 744400A  
for PG-45 ~ No. 744300A



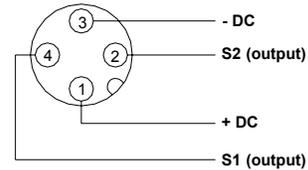
### Components

ITEM	DESCRIPTION	QTY	PG-38	PG-45
1	Screw	2	018491	018491
2	DC Cylindicator	1	019126	019126
3	AC Cylindicator	1	019327	019327
4	Sensor Block	1	744402A	744302A
5	Screw	2	019287	019287
6	Screw	1	018495	018495
7	Sensor Can	1	744303A	744303A
8	Retainer	1	005241	005241
9	Prox Target	1	739501A	739501A
10	End Cap	1	744401A	744301A
11	Seal	1	020293	020293
12	O Ring	1	016643	000271
13	Sensing Rod	1	734301A	734201A



**DC ~ Cylindicator**  
Two 3-Wire Sensors  
Supply Voltage: 10-30 VDC  
Load Current: 200mA Max.  
Single Connector ~ Euro

SO. 2 reads the closed position of the gripper.  
If SO. 2 is required for the open position (transposed),  
order: TRSPN-DC



**AC ~ Cylindicator**  
Two Wire  
Supply Voltage: 20-150 VAC  
Load Current: 200mA Max.  
Single Connector ~ Micro

SO. 2 reads the closed position of the gripper.  
If SO. 2 is required for the open position (transposed),  
order: TRSPN-AC

