

PIERCE

PULLING FOR YOU



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Family-owned and operated since 1976, Pierce is committed to customer service and manufacturing quality products at exceptional prices. Jeff Pierce, the founder and owner of Pierce Arrow Inc., started the business right after graduating from Texas Tech University. Jeff sold consignment goods on the Expressway 287 access road outside of Henrietta, Texas. He laughs that it took six months to sell anything. What was his first sale? Irrigation pipe. Long story short, Jeff and his team ventured into manufacturing after decades of dominating retail industries as Pierce Sales. Manufacturing allows the team to have better control over their bestselling products and offer better prices.

The branding for Pierce Arrow Inc. has changed over the years. In 2014, we launched a new brand for the company because our customers refer to us as Pierce – not Pierce Arrow. We really like the simplicity. Thank you for your feedback and choosing Pierce!

Support

In the event you need help with a Pierce branded product, contact your dealer first. We will work directly with the dealer to take care of you. We provide free phone support, offer replacement parts in stock and have quick same day shipping for orders placed before 4 p.m. CST. If you like to fix things yourself, subscribe to our YouTube channel for dozens of how-to videos for help after business hours.

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WINCHES



WINCHES



★★★★★ 5-STAR CUSTOMER REVIEW

“ Not only are Pierce winches the **best we've ever used** but the leadership of the company and their family values fit right in with what we're about. Their slogan says it all, **Pierce...pulling for you!** ”

~ KEN COBB • HUNTN' THE WORLD
SOUTHERN STYLE

★★★★★ 5-STAR CUSTOMER REVIEW

“ I would highly recommend **Pierce** for your winch needs. A representative will contact you to answer any questions you may have about your purchase or prospective purchase. **Great people doing great business in the U.S. of America.** ~ JEFF IN COPPELL, TEXAS ”

INDUSTRIAL WINCHES



Pierce Winches Never Let You Down

Pierce industrial winches work as hard as you do and never give up. Winch knowing your equipment, your staff and the object you are pulling is safe. With a field-serviceable design and a legacy spanning generations of service, you can be assured that your Pierce winch will pull through for you.

ELECTRIC (Worm Gear)

- PSW654-8K Pierce 9,000 lb. Worm Gear Winch – 8" drum
- PSW654-11K Pierce 9,000 lb. Worm Gear Winch – 11" drum
- PSW654-8MK Pierce 12,500 lb. Worm Gear Winch – 8" drum
- PSW654-11MK Pierce 12,500 lb. Worm Gear Winch – 11" drum



HYDRAULIC (Worm Gear)

- PSW654-8HK Pierce 9,000 lb. Worm Gear Winch – 8" drum
- PSW654-11HK Pierce 9,000 lb. Worm Gear Winch – 11" drum



110V (Worm Gear)

- PS654-8EK Pierce 7,500 lb. Worm Gear Winch – 8" drum
- PS654-11EK Pierce 7,500 lb. Worm Gear Winch – 11" drum
- PS654-8EMK Pierce 11,000 lb. Worm Gear Winch – 8" drum
- PS654-11EMK Pierce 11,000 lb. Worm Gear Winch – 11" drum
- PS654-11EKSD Pierce 7,500 lb. Worm Gear Winch – split drum
- PS654-11EMKSD Pierce 11,000 lb. Worm Gear Winch – split drum



HYDRAULIC (Planetary Gear)

- PSHV10000 Pierce 10,000 lb. Planetary Gear Winch
- PSHV15000 Pierce 15,000 lb. Planetary Gear Winch
- PSHV18000 Pierce 18,000 lb. Planetary Gear Winch
- PSHV20000 Pierce 20,000 lb. Planetary Gear Winch



WARNING: Winches are not to be used for lifting people or lifting overhead.

PSW654 Electric Winch

Pierce worm gear winches with an electric power source are a product of over 30 years of continual improvement. We've upgraded the solenoid so that it is a compact style, which makes replacing much easier. The winch comes with a special blend of grease already applied to the inside. Grease zerks are included on the clutch housing to keep the clutch working smoothly. One of the best parts about this winch is replacement part availability and the ability to work on them in the field. The winch has a simple mounting pattern where eight total bolts are inserted into the front and back of each housing. Twenty-four volt models are available upon request. (**Note:** always be certain to use all mounting bolts when installing this winch.)

PSW654 Electric Winch Features

- Compact solenoid
- Steel alloy transfer housings
- High carbon steel shafts machined to size
- Bronze main gear for prolonged life
- Worm gears hold the load even if power fails or is interrupted
- Low horizontal silhouette to adapt to multiple mounting patterns
- Free-spool clutch that allows the cable to be unspooled rapidly

PSW654-8K



PSW654-11K



PSW654-8MK



PSW654-11MK

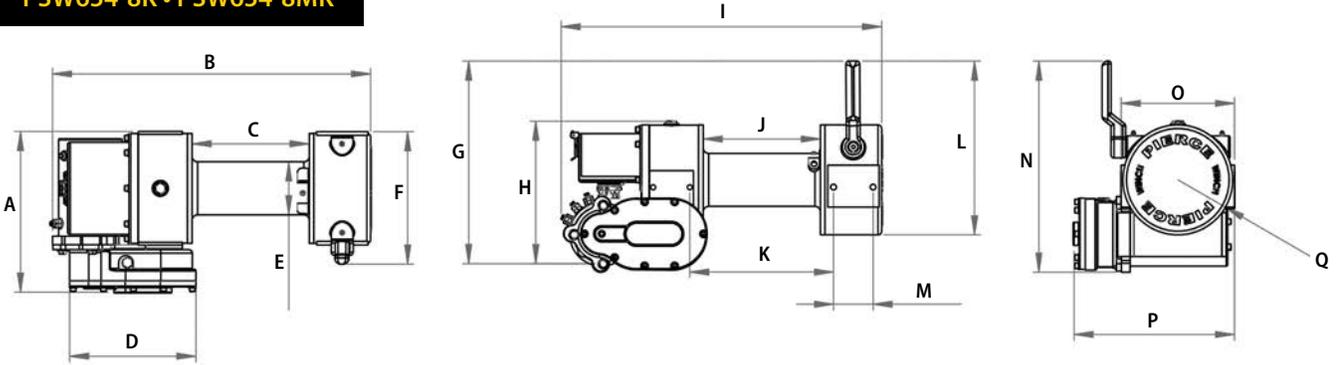


	PSW654-8K	PSW654-11K	PSW654-8MK	PSW654-11MK
RATED LINE PULL	9,000 lb.	9,000 lb.	12,500 lb.	12,500 lb.
LINE SPEED	14 fpm	14 fpm	9 fpm	9 fpm
VOLTAGE	12V	12V	12V	12V
RATIO	470:1	470:1	728.5:1	728.5:1
AMPERE	60/400 amps	60/400 amps	60/400 amps	60/400 amps
MINIMUM WIRE GAUGE	4 gauge	4 gauge	4 gauge	4 gauge
RECOMMENDED BATTERY	650 CCA	650 CCA	650 CCA	650 CCA
MOTOR	1.5 hp	1.5 hp	1.5 hp	1.5 hp
WINCH CONSTRUCTION	Cast Metal	Cast Metal	Cast Metal	Cast Metal
GEAR TRAIN	Worm Gear	Worm Gear	Worm Gear	Worm Gear
CLUTCH	Dog	Dog	Dog	Dog
BRAKE	Worm Gear	Worm Gear	Worm Gear	Worm Gear
ROTATION OF WINCH	CCW	CCW	CCW	CCW
DRUM SIZE	3.5" x 8"	3.5" x 11"	3.5" x 8"	3.5" x 11"
WIRE ROPE RECOMMENDED	3/8" x 100'	3/8" x 125'	3/8" x 100'	3/8" x 125'

(CONTINUED - p. 6)

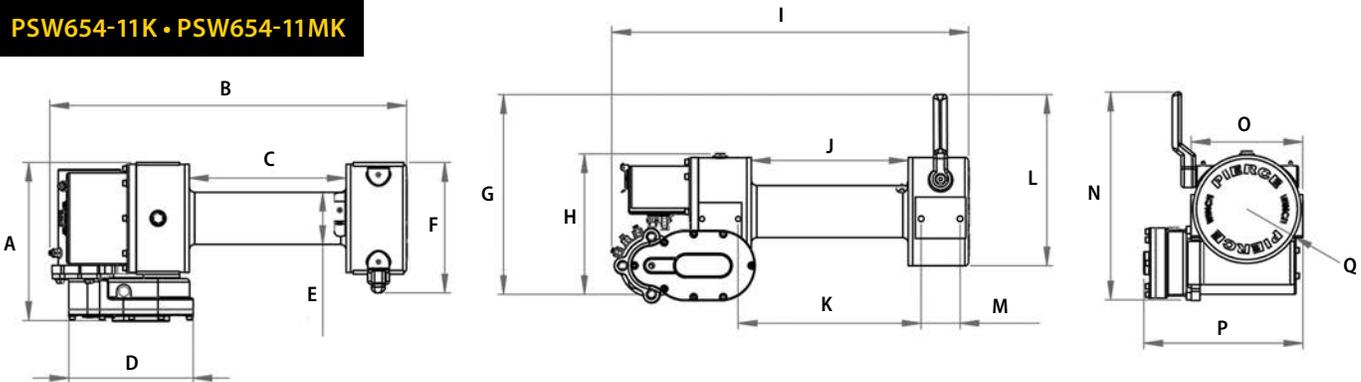
	PSW654-8K	PSW654-11K	PSW654-8MK	PSW654-11MK
WINCH WEIGHT	88 lbs.	92 lbs.	88 lbs.	92 lbs.
GROSS WEIGHT	92 lbs.	93 lbs.	95 lbs.	96 lbs.
WINCH DIMENSIONS (LxWxH)	16.25" x 8" x 13.5"	19.25" x 8" x 13.5"	16.25" x 8" x 13.5"	19.25" x 8" x 13.5"
BOX DIMENSIONS (LxWxH)	14" x 14" x 24"	14" x 14" x 27"	14" x 14" x 24"	14" x 14" x 27"

PSW654-8K • PSW654-8MK



LAYERS OF WIRE ROPE	PULL (LB.)	DRUM CAPACITY	SPEED (@ 16 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE
1	9,000	25 ft.	12.6 fpm	A 11"	E 3 5/8"	I 21 7/8"	M 2 3/4"	Q 3 3/4"
2	7,500	50 ft.	15.1 fpm	B 21 3/4"	F 9"	J 8"	N 14 3/8"	
3	6,400	75 ft.	17.5 fpm	C 8"	G 13 7/8"	K 9 7/8"	O 7 3/4"	
4	5,600	100 ft.	20 fpm	D 8 5/8"	H 9 3/4"	L 11 7/8"	P 11"	

PSW654-11K • PSW654-11MK



LAYERS OF WIRE ROPE	PULL (LB.)	DRUM CAPACITY	SPEED (@ 16 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE
1	9,000	20 ft.	12.6 fpm	A 11"	E 3 5/8"	I 24 3/4"	M 2 3/4"	Q 3 3/4"
2	7,500	40 ft.	15.1 fpm	B 24 3/4"	F 9"	J 11"	N 14 3/8"	
3	6,400	60 ft.	17.5 fpm	C 11"	G 13 7/8"	K 12 3/4"	O 7 3/4"	
4	5,600	80 ft.	20 fpm	D 8 5/8"	H 9 3/4"	L 11 7/8"	P 11"	

PSW654 Hydraulic Winch

Pierce hydraulic PSW654 series winches are primarily used in the trailer, towing and oil field industries. Drivers choose Pierce because of the winch's reliability. Though electric worm gear winches run slowly, hydraulic worm gear winches are quicker depending on the GPM of the pump.

PSW654 Hydraulic Winch Features

- Char-Lynn 101-1026, 4.8 cu. in. hydraulic motor
- High carbon steel shafts machined to size
- Bronze main gear for prolonged life
- Worm gear hold the load even if power fails or is interrupted
- Low horizontal silhouette to adapt to multiple mounting patterns
- Free-spool clutch that allows the cable to be unspooled rapidly

PSW654-8HK

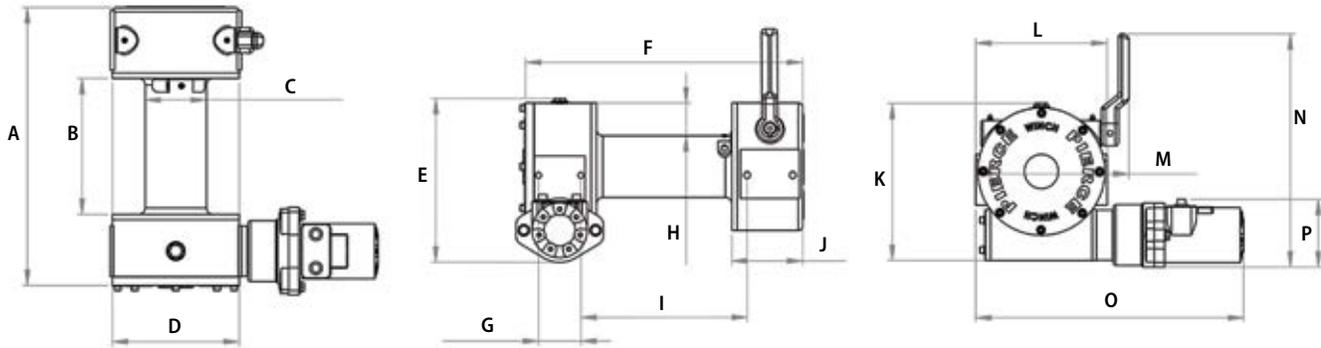


PSW654-11HK



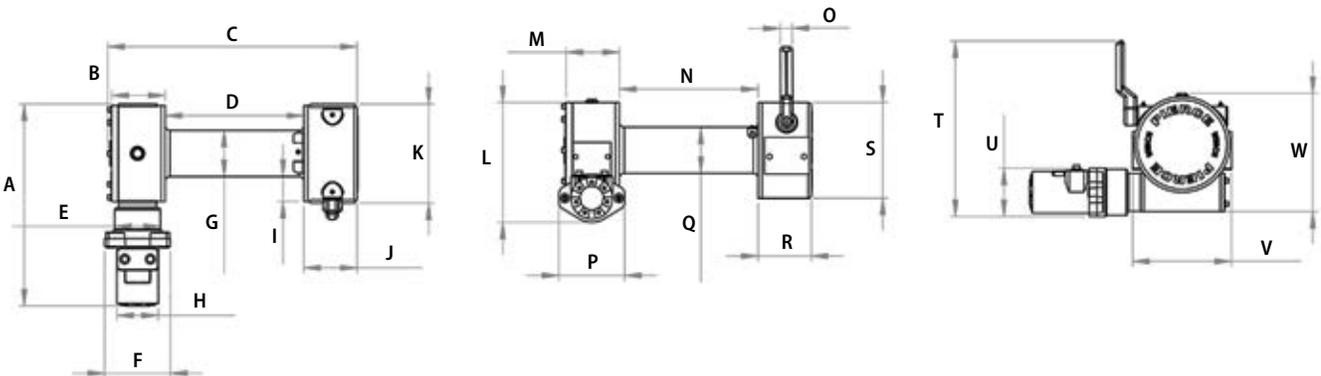
	PSW654-8HK	PSW654-11HK
RATED LINE PULL	9,000 lb.	9,000 lb.
LINE SPEED	12.6 fpm	12.6 fpm
VOLTAGE	12V	12V
RATIO	60:1	60:1
RPM	750 RPM	750 RPM
STARTING INPUT TORQUE FOR RATED PULL	845 in. / lb.	845 in. / lb.
WINCH CONSTRUCTION	Cast Metal	Cast Metal
GEAR TRAIN	Worm Gear	Worm Gear
CLUTCH	Dog	Dog
BRAKE	Worm Gear	Worm Gear
ROTATION OF WINCH	CCW	CCW
DRUM DIMENSIONS	3.5" x 8"	3.5" x 11"
MAXIMUM LAYERS ON THE DRUM	5	5
WIRE ROPE RECOMMENDED	3/8" x 100'	3/8" x 125'
WINCH WEIGHT	70 lbs.	72 lbs.
GROSS WEIGHT	72 lbs.	74 lbs.
WINCH DIMENSIONS (LxWxH)	16.25" x 8" x 13.5"	19.25" x 8" x 13.5"
BOX DIMENSIONS (LxWxH)	14" x 14" x 24"	14" x 14" x 27"

PSW654-8HK



LAYERS OF WIRE ROPE	PULL (LB.)	DRUM CAPACITY	SPEED (@ 16 GPM)	SIZE	SIZE	SIZE	SIZE
1	9,000	25 ft.	12.6 fpm	A 16 3/8"	E 9 5/8"	I 9 13/16"	M 9 1/16"
2	7,500	50 ft.	15.1 fpm	B 8"	F 16 3/8"	J 4 3/16"	N 13 3/4"
3	6,400	75 ft.	17.5 fpm	C 3 5/8"	G 2 1/2"	K 9 1/4"	O 15 13/16"
4	5,600	100 ft.	20 fpm	D 7 1/2"	H 1 15/16"	L 7 3/4"	P 4"

PSW654-11HK



LAYERS OF WIRE ROPE	PULL (LB.)	DRUM CAPACITY	SPEED (@ 16 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
1	9,000	20 ft.	12.6 fpm	A 15 7/8"	E 3 5/8"	I 2"	M 4 1/4"	Q 3 5/8"	U 3 3/4"
2	7,500	40 ft.	15.1 fpm	B 4 1/4"	F 5 1/8"	J 4 1/8"	N 10 7/8"	R 4 1/8"	V 7 3/4"
3	6,400	60 ft.	17.5 fpm	C 19 1/2"	G 3 5/8"	K 7 3/4"	O 7/8"	S 7 1/2"	W 9 1/4"
4	5,600	80 ft.	20 fpm	D 11"	H 3 1/4"	L 9 3/8"	P 5 1/8"	T 13 3/4"	

PS654-EK 110V Winch

The Pierce 110V winch incorporates a powerful worm gear design and has been used across a broad spectrum of industries all over the globe. From hanger doors to shipping docks, you've probably seen this winch in use. The winch comes with a special blend of grease already applied inside. The 110V winch comes mounted in our PBM1 stationary mount made of 3/16" steel. The winch comes wired for 110 volt, but is capable of 220 volts with wiring modifications. The winch is built with a WEG 1.5 HP motor and is a no free-spooling application.

PS654-EK 110V Winch Features

- Pre-wired Rocker Switch Remote
- Pre-mounted
- Worm Gear Design
- Runs on 110V AC Current
- Split Drum Models Available

PS654-8EK
PS654-8EMK



PS654-11EK
PS654-11EMK



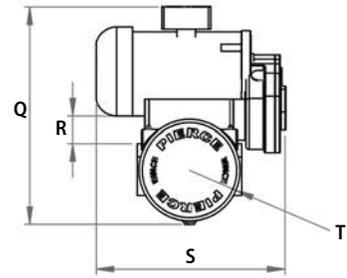
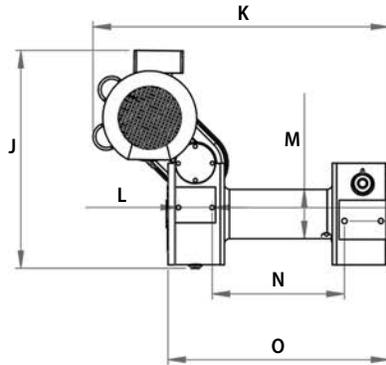
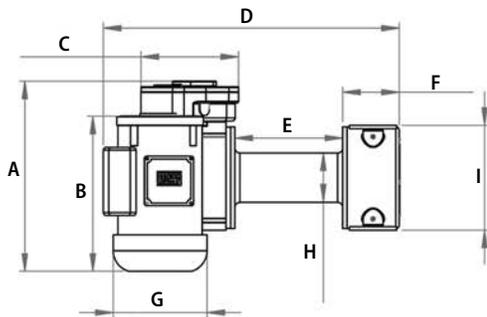
PS654-11EMKSD



	PS654-8EK	PS654-11EK	PS654-8EMK	PS654-11EMK	PS654-11EMKSD
RATED LINE PULL	7,500 lb.	7,500 lb.	11,000 lb.	11,000 lb.	11,000 lb.
LINE SPEED	4 fpm				
VOLTAGE	110V / 220V				
RATIO	460:1	460:1	460:1	460:1	460:1
AMPERE	17.40 amps @ 115V				
MINIMUM WIRE GAUGE	16 ga.				
MOTOR	1.5 hp				
WINCH CONSTRUCTION	Cast Metal				
GEAR TRAIN	Worm Gear	Worm Gear	Worm Gear	Worm Gear	Worm Gear ring gear
CLUTCH	Dog	Dog	Dog	Dog	Dog
BRAKE	Worm Gear				
ROTATION OF WINCH	CCW	CCW	CCW	CCW	CCW
DRUM SIZE	3.5" x 8"	3.5" x 11"	3.5" x 8"	3.5" x 11"	3.5" x 11" split
MOUNTING PATTERN	Pre-mounted	Pre-mounted	Pre-mounted	Pre-mounted	Pre-mounted

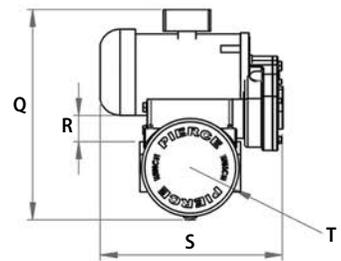
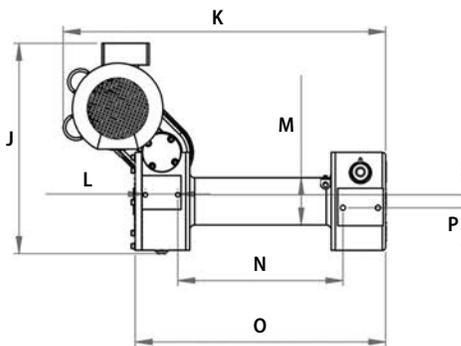
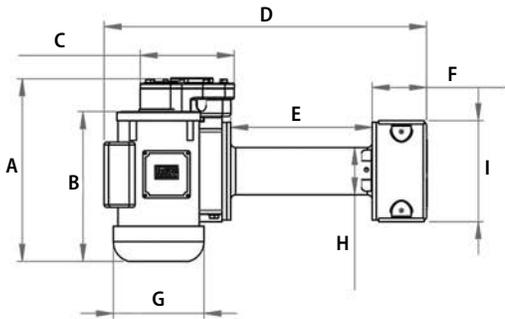
(CONTINUED - p. 10)	PS654-8EK	PS654-11EK	PS654-8EMK	PS654-11EMK	PS654-11EMKSD
WIRE ROPE RECOMMENDED	3/8" x 100'	3/8" x 125'	3/8" x 100'	3/8" x 125'	3/8" x 50' (2)
WINCH WEIGHT	123 lbs.	125 lbs.	123 lbs.	125 lbs.	130 lbs.
GROSS WEIGHT	163 lbs.	165 lbs.	163 lbs.	165 lbs.	170 lbs.
WINCH DIMENSIONS (LxWxH)	26" x 15" x 17.5" (pre-mounted)				
BOX DIMENSIONS (LxWxH)	Palletted	Palletted	Palletted	Palletted	Palletted

PS654-8EK • PS654-8EMK



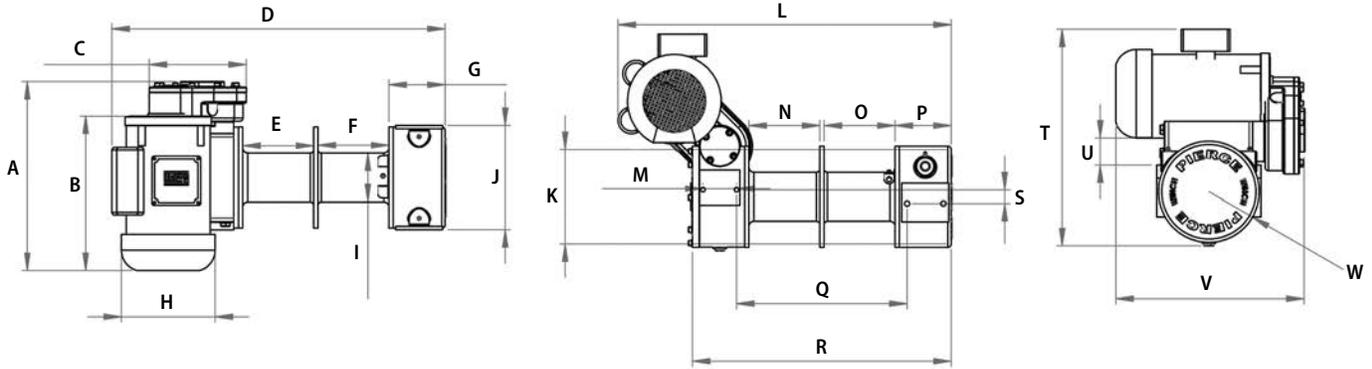
SIZE	SIZE	SIZE	SIZE	SIZE
A 14"	E 8"	I 7 3/4"	M 3 5/8"	Q 16 1/8"
B 11 1/2"	F 4 1/8"	J 16 1/8"	N 9 7/8"	R 2"
C 7 1/4"	G 7"	K 21 7/8"	O 16 3/8"	S 14"
D 21 7/8"	H 3 5/8"	L 2 1/2"	P 1"	T 3 3/4"

PS654-11EK • PS654-11EMK



SIZE	SIZE	SIZE	SIZE	SIZE
A 14"	E 11"	I 7 3/4"	M 3 5/8"	Q 16 1/8"
B 11 1/2"	F 4 1/8"	J 16 1/8"	N 12 3/4"	R 2"
C 7 1/4"	G 7"	K 24 3/4"	O 19 1/4"	S 14"
D 24 3/4"	H 3 5/8"	L 2 1/2"	P 1"	T 3 3/4"

PS654-11EMSDK



	SIZE		SIZE		SIZE		SIZE		SIZE		SIZE
A	14"	E	5 1/4"	I	3 5/8"	M	2 1/2"	Q	12 3/4"	U	2"
B	11 1/2"	F	5 1/4"	J	7 3/4"	N	5 1/4"	R	19 1/4"	V	14"
C	7 1/4"	G	4 1/8"	K	7"	O	5 1/4"	S	1"	W	3 3/4"
D	24 3/4"	H	7"	L	24 3/4"	P	4 1/8"	T	16 1/8"		

FAQ:

Can I increase the line speed of my worm drive winch?

Yes, but you will lose about half of your pulling power. On electric winches, a simple exchange of gears can provide up to a 50% line speed increase, and on hydraulic winches, you can change your motor to one with different displacement.

The DOs and DON'Ts of Winch Operation

DON'T

- Don't skip using all mounting bolts.
- Don't tie the winch cable to itself.
- Don't leave the remote plugged in when not in use.
- Don't use the winch as a secure tie-down point.

Do

- Use snatch blocks to increase the winch's pulling capacity and remove tension from the wire rope.
- Use pulleys and guides to keep the wire rope off sharp corners.
- Put the winch in free spool when not in use.
- Use ratchets and straps to secure all loads.
- Use a safety cut off switch.
- Make sure the winch is fully engaged (clutch) before pulling.

PSHV Hydraulic Winches

The PSHV series is designed for industrial work environments and situations requiring fast line speeds. With 10,000 to 20,000 capacities available, these winches are built for trailers, wreckers and more. The PSHV20000 features an air clutch for quicker wire rope recovery.

PSHV Hydraulic Winch Features

- Fast Line Speeds
- Meets SAE J706, CE Machinery Directive 98/37/EC and REMSA
- Aluminum Die Cast Housing
- Rotating Ring Gear Clutch
- Spring and Over-center Valve Brake
- Powered by a PTO/power take off unit driven pump

PSHV10000



PSHV15000



PSHV18000



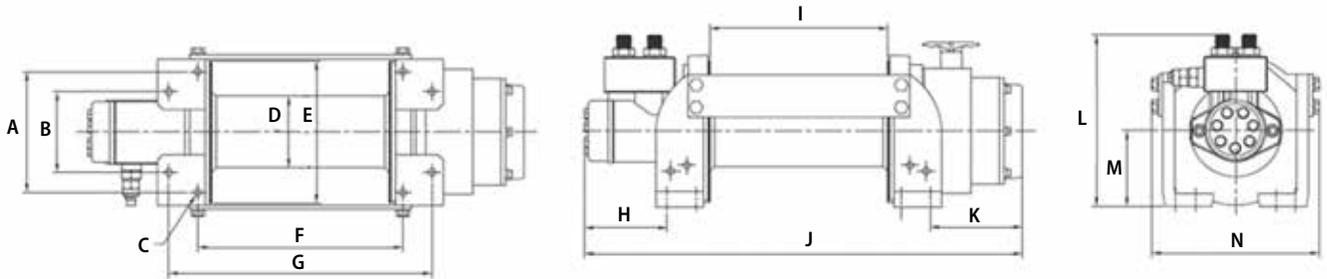
PSHV20000



	PSHV10000	PSHV15000	PSHV18000	PSHV20000
RATED LINE PULL	10,000 lb.	15,000 lb.	18,000 lb.	20,000 lb.
LINE SPEED	46 fpm at 15.9 gpm	30 fpm at 15.9 gpm	23 fpm at 15.9 gpm	7.1 fpm at 15.9 gpm
OPERATION PRESSURE	2,175 psi	2,175 psi	2,175 psi	2,175 psi
MAX OIL FLOW	15.9 gpm	15.9 gpm	15.9 gpm	15.9 gpm
HYDRAULIC MOTOR	5.9 in3 / rev	7.6 in3 / rev	9.5 in3 / rev	9.5 in3 / rev Danfoss OMP-160
GEAR RATIO	2-stage planetary gear 16:1	2-stage planetary gear 16:1	2-stage planetary gear 16:1	2-stage planetary gear 30:1
WINCH CONSTRUCTION	Aluminum die cast housings with steel drum	Aluminum die cast housings with steel drum	Aluminum die cast housings with steel drum	Aluminum die cast housings with steel drum
CLUTCH	Rotating ring gear	Rotating ring gear	Rotating ring gear	Rotating ring gear
BRAKE	Spring applied drag brake together with over-center valve supplied	Spring applied drag brake together with over-center valve supplied	Spring applied drag brake together with over-center valve supplied	Multidisc brake
CLUTCH	Rotating ring gear	Rotating ring gear	Rotating ring gear	Rotating ring gear
ROTATION OF WINCH	Underwound	Underwound	Underwound	Underwound, air spool
DRUM BARREL DIAMETER	4"	4"	4"	5.8"
DRUM FLANGE DIAMETER	9.9"	9.9"	9.9"	12.4"
DISTANCE BETWEEN FLANGES	10"	10"	10"	14"
MOUNTING BOLTS PATTERN	11.5" x 6.7" 14.7" x 4.5"	12" x 4.5" 14.5" x 6.7"	12" x 4.5" 14.5" x 6.7"	18" x 7.5" 18" x 10.5"

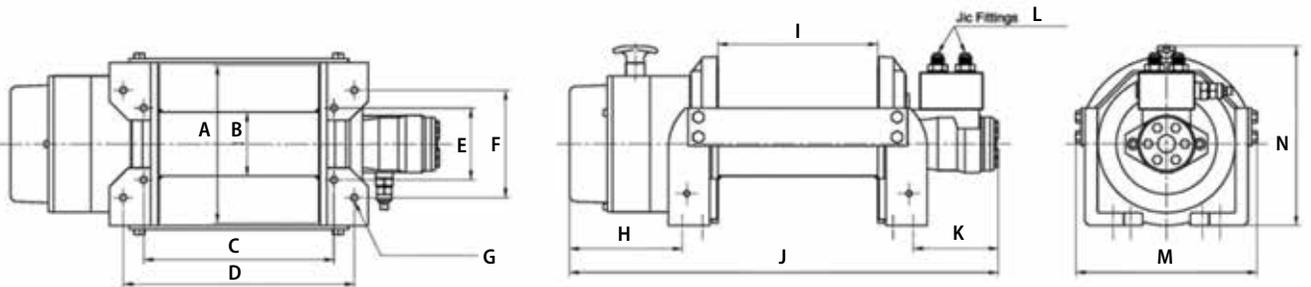
(CONTINUED - p. 13)	PSHV10000	PSHV15000	PSHV18000	PSHV20000
WIRE ROPE RECOMMENDED	3/8" x 100'	1/2" x 165'	1/2" x 165'	9/16" x 250'
WINCH WEIGHT	81.4 lb.	158.7 lb.	158.7 lb.	331 lb.
GROSS WEIGHT	102.5 lb.	194 lb.	194 lb.	380 lb.
WINCH DIMENSIONS (LxWxH)	24.6" x 9.4" x 9.7"	26.9" x 11.4" x 11.3"	27.1" x 11.4" x 11.3"	34.6" x 14.6" x 13"
BOX DIMENSIONS (LxWxH)	26.2" x 14.6" x 11.2"	28.1" x 16.3" x 12.2"	28.1" x 16.3" x 12.2"	Shipped in crate or pallet individually

PSHV10000



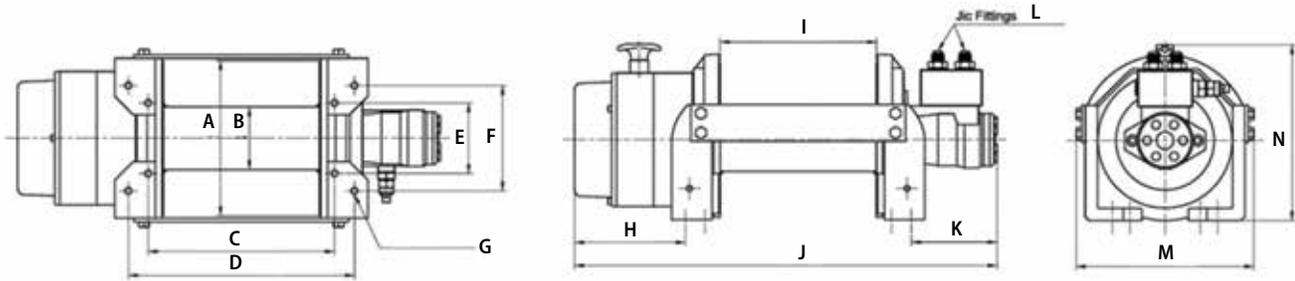
LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	SPEED (@ 15.9 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE
1	10,000	26.2 ft.	46 fpm	A 6.7"	D 4"	G 14.7"	J 24.5"	M 4.2"
2	8,369	57.4 ft.	53.5 fpm	B 4.5"	E 7.9"	H 4.6"	K 5.2"	N 9.4"
3	7,196	89 ft.	62.3 fpm	C 8-M10XP1.5	F 11.5"	I 10"	L 9.6"	

PSHV15000



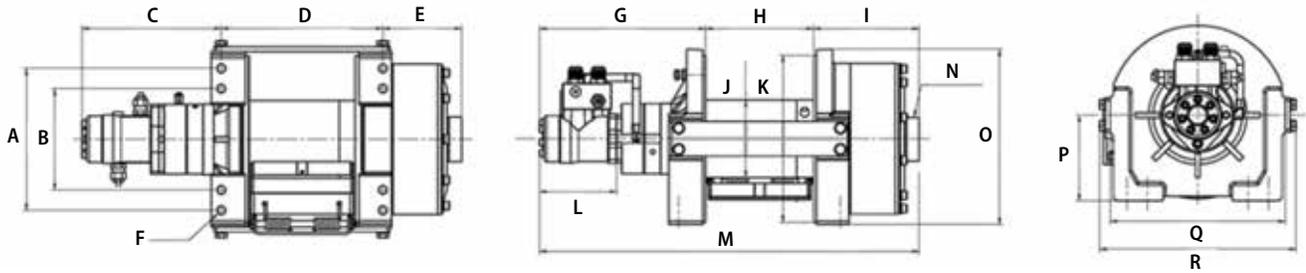
LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	SPEED (@ 15.9 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE
1	15,000	23.3 ft.	30 fpm	A 9.9"	D 14.5"	G 8-9/16" 12UNC	J 26.9"	M 11.4"
2	12,273	51.5 ft.	35.8 fpm	B 4"	E 4.5"	H 7.1"	K 5.3"	N 11.3"
3	10,390	85 ft.	42 fpm	C 12"	F 6.7"	I 10"	L 8MJ-8MB (3/4" - 16)	

PSHV18000



LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	SPEED (@ 15.9 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE					
1	18,000	23.3 ft.	23 fpm	A	9.9"	D	14.5"	G 8-9/16" 12UNC	J	27.1"	M	11.4"	
2	14,767	51.5 ft.	28.5 fpm	B	4"	E	4.5"	H	7.1"	K	5.5"	N	11.3"
3	12,500	85 ft.	33.8 fpm	C	12"	F	6.7"	I	10"	L	8MJ-8MB (3/4" - 16)		

PSHV20000



LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	SPEED (@ 15.9 GPM)	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE					
1	20,000	23 ft.	23 fpm	A	10.5"	D	12"	G	12.3"	J	5.8"	M	28.2" Std Drum	P	6.3"
2	17,017	49 ft.	27 fpm	B	7.5"	E	5.8"	H	8"	K	12.4"	N	Air Clutch PF-1/4"-19	Q	13"
3	14,813	79 ft.	31 fpm	C	10.3"	F	8-M16	I	7.8"	L	5.7"	O	13"	R	14.6"

SELF RECOVERY WINCHES

★★★★★ 5-STAR CUSTOMER REVIEW

“*Excellent online help,
Excellent Winch,
my second one in 10 years.*”

~ DAN IN KANSAS



On the job or along for a ride, bring a Pierce Winch

Pierce self recovery winches give you peace of mind when traveling, working, or just having some fun. The 6,000 – 12,000 lb. winches are easily base mounted and fit most standard winch bumpers. The 20,000 lb. winch fits in larger bumper models. The Pierce 4,000 lb. winch mounts on a RTV or car hauler. Winch with the piece of mind that if you get stuck in a pasture you will be able to get yourself out quickly and safely. The included rocker switch remote is installed on the RTV switch panel or anywhere for easy access. If you are going to be on an adventure, plan on taking the Pierce winch along for the ride.

PS4000



PS6000



PS9000



PS12000



PS20000



Included Accessories for PS Series:



HOOK



ROLLER GUIDE



SNATCH BLOCK



CABLE



WIRED REMOTE CONTROL



COMPACT SOLENOID ASSEMBLY

WARNING: Winches are not to be used for lifting people or lifting overhead.

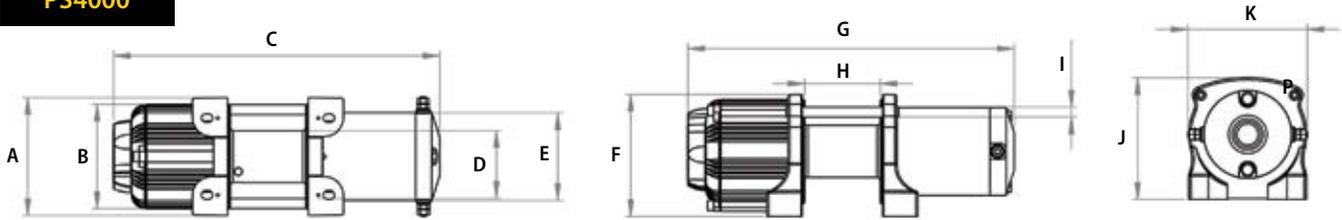
PS Series Winch Features

- An impressive compact solenoid
- Electric powerhouse heavy duty motor with high ampere resistance and output strength
- Manual cable release to save time and battery power when unspooling cable
- Three stage planetary gear system with super torque strength
- Each winch includes all the start up winch accessories



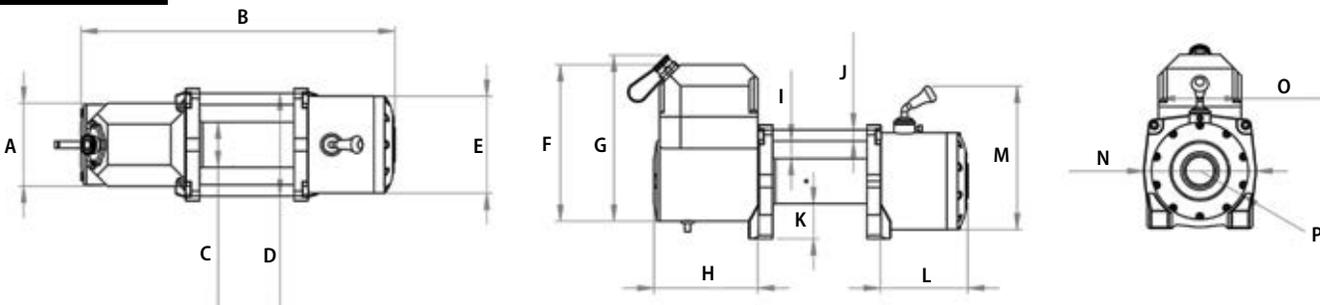
	PS4000	PS6000	PS9000	PS12000	PS20000
RATED LINE PULL	4,000 lb.	6,000 lb.	9,000 lb.	12,000 lb.	20,000 lb.
LINE SPEED	19.6 fpm	13 fpm	24 fpm	21.3 fpm	20.4 fpm
VOLTAGE	12V	12V	12V	12V	12V
RATIO	136:1	218:1	265:1	265:1	420:1
RECOMMENDED BATTERY	650CCA	650CCA	650CCA	650CCA	650CCA
MINIMUM WIRE GAUGE	4 ga.	2 ga.	2 ga.	2 ga.	2 ga.
MOTOR	1.3 hp	5.5 hp	5.5 hp	5.5 hp	6.8 hp
WINCH CONSTRUCTION	Cast Metal	Cast Metal	Cast Metal	Cast Metal	Cast Metal
GEAR TRAIN	Three Stage Planetary	Three Stage Planetary	Three Stage Planetary	Three Stage Planetary	Three Stage Planetary
CLUTCH	Sliding Ring Gear	Sliding Ring Gear	Sliding Ring Gear	Sliding Ring Gear	Sliding Ring Gear
BRAKE	Automatic in the Drum	Automatic in the Drum	Automatic in the Drum	Automatic in the Drum	Automatic in the Drum
ROTATION OF WINCH	CCW	CCW	CCW	CCW	CCW
DRUM SIZE	2" x 2.9"	2.5" x 5.25"	2.5" x 8.7"	2.5" x 8.7"	3.5" x 8.7"
MOUNTING PATTERN	3" x 4.8"	4.5" x 6 5/8"	4.5" x 10"	4.5" x 10"	4.5" x 10"
WIRE ROPE RECOMMENDED	1/4" x 40'	9/32" x 65'	3/8" x 94'	3/8" x 94'	1/2" x 72'
WINCH WEIGHT	19 lbs.	55 lbs.	84 lbs.	88 lbs.	132 lbs.
GROSS WEIGHT	31 lbs.	77 lbs.	91 lbs.	98 lbs.	146 lbs.
WINCH DIMENSIONS (LxWxH)	15" x 7" x 7"	17 5/8" x 5 3/8" x 8 3/4"	21" x 5 3/8" x 8 3/4"	21" x 5 3/8" x 8 3/4"	21 7/8" x 6 1/2" x 11 1/8"
BOX DIMENSIONS (LxWxH)	16.25" x 11" x 6.75"	23" x 8.5" x 14"	23" x 8.5" x 14"	23" x 8.5" x 14"	25" x 10.25" x 16.5"

PS4000



LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	LINE PULL (LB.)	SPEED (FPM)	CURRENT	SIZE	SIZE	SIZE
1	4,000	9.8	0	19.6	11	A 4 5/8"	F 4 3/4"	K 4 5/8"
2	3,264	22	1,000	10.8	40	B 4 1/8"	G 12 3/4"	
3	2,760	36	2,000	7.5	70	C 12 3/4"	H 3"	
4	2,388	50	3,000	5.9	95	D 2 5/8"	I 3/8"	
			4,000	3.6	310	E 3 3/8"	J 4 3/4"	

PS6000



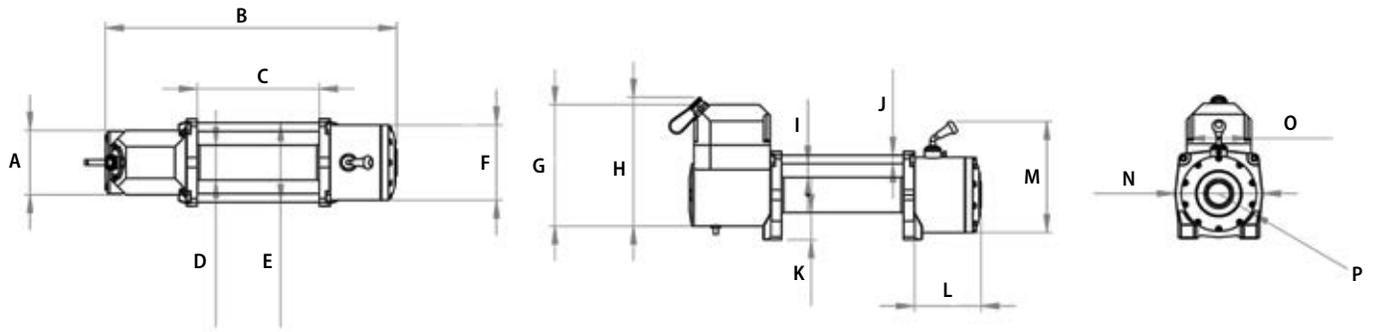
LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	LINE PULL (LB.)	SPEED (FPM)	CURRENT	SIZE	SIZE	SIZE	SIZE
1	6,000	13	0	21.3	65	A 4 5/8"	F 8 3/4"	K 2"	P 2 3/4"
2	4,990	29	6,000	11.5	126	B 17 5/8"	G 9 1/4"	L 4 7/8"	
3	4,280	48	4,000	9.4	175	C 2 1/2"	H 5 7/8"	M 8"	
4	3,730	69	2,000	7.9	230	D 5 3/4"	I 1"	N 6 1/4"	
5	3,310	79	1,000	6.5	280	E 5 3/8"	J 5/8"	O 4 5/8"	

FAQ:

How do I secure a load?

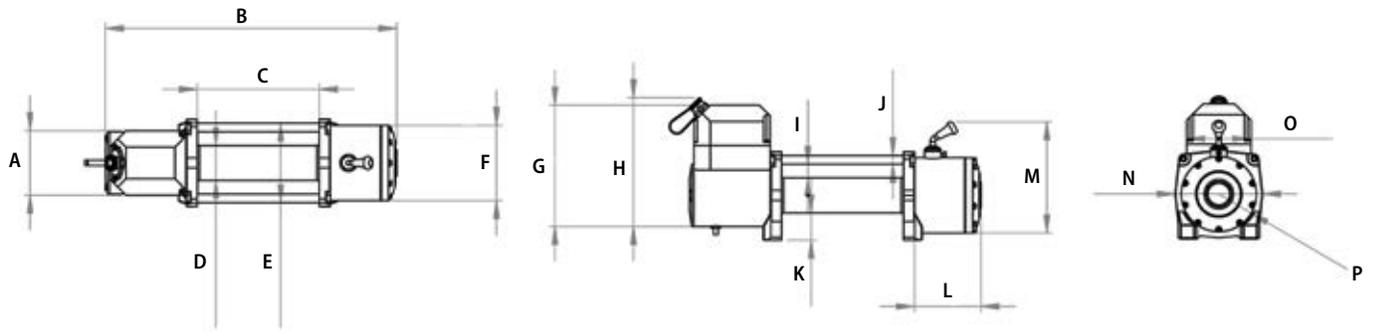
Use ratchets and straps for secure points. Winches do not make suitable tie downs because the gears can be damaged if under continual undulation.

PS9000

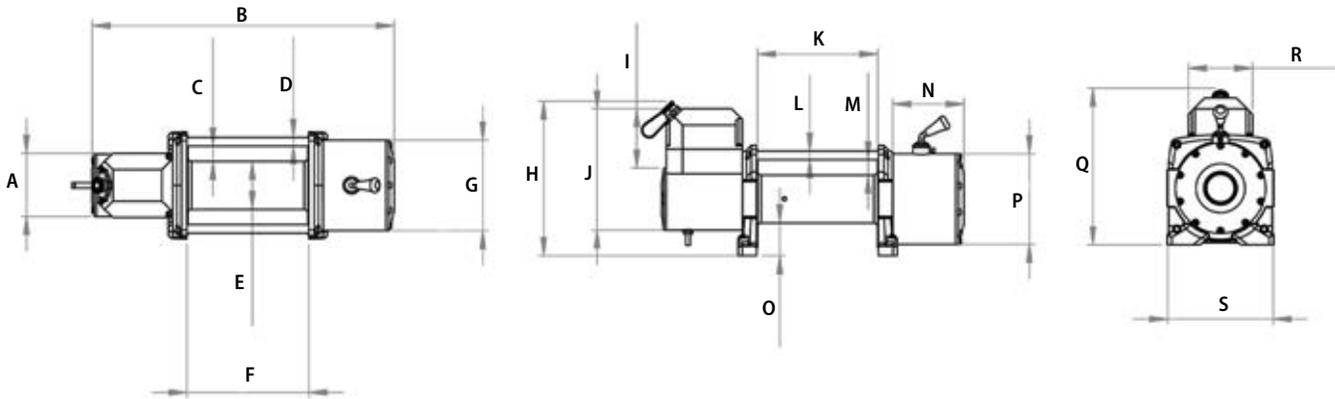


LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	LINE PULL (LB.)	SPEED (FPM)	CURRENT	SIZE	SIZE	SIZE	SIZE
1	9,000	16.2	0	24	80	A 4 5/8"	F 5 3/8"	K 2"	P 2 3/4"
2	7,320	39.3	4,000	10.6	240	B 21"	G 8 3/4"	L 4 3/4"	
3	5,500	68.9	6,000	8.5	280	C 8 7/8"	H 9 1/4"	M 8"	
4	4,750	91.8	8,000	7.0	330	D 2 1/2"	I 1"	N 6 1/4"	
			9,000	6.5	360	E 5 3/4"	J 5/8"	O 4 5/8"	

PS12000



LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	LINE PULL (LB.)	SPEED (FPM)	CURRENT	SIZE	SIZE	SIZE	SIZE
1	12,000	17	0	21.3	65	A 4 5/8"	F 5 3/8"	K 2"	P 2 3/4"
2	9,210	41	4,000	9.4	175	B 21"	G 8 3/4"	L 4 3/4"	
3	8,030	71	6,000	7.9	230	C 8 7/8"	H 9 1/4"	M 8"	
4	6,894	85	8,000	6.5	280	D 2 1/2"	I 1"	N 6 1/4"	
			12,000	4.4	390	E 5 3/4"	J 5/8"	O 4 5/8"	



LAYERS OF WIRE ROPE	PULL (LB.)	WIRE ROPE (FT.)	LINE PULL (LB.)	SPEED (FPM)	CURRENT	SIZE	SIZE	SIZE	SIZE				
1	20,000	20.4	0	23.9	68	A	4 5/8"	F	8 7/8"	K	8 3/4"	P	6 1/2"
2	15,482	42.44	6,000	7.4	185	B	21 7/8"	G	6 1/2"	L	5/8"	Q	11 3/8"
3	12,584	60.18	10,000	5.1	275	C	1 1/8"	H	11 1/8"	M	1 1/8"	R	4 5/8"
4	10,550	72.16	15,000	3.3	435	D	5/8"	I	4 1/4"	N	5 1/8"	S	7 5/8"
			20,000	2.62	530	E	3 1/2"	J	8 3/4"	O	2 3/8"		

FAQ:

What maintenance is required?

A little preventative maintenance will ensure a long winch life. You should regularly lubricate all grease points, inspect all bolts, all electrical connections (even at the battery) and cable. Check to ensure there is no worn coatings or corrosion on electrical connections, and that all connections are tight. Check for wear, flat spots and broken strands on your wire rope. Damaged or worn cable should be replaced.

★★★★★ 5-STAR CUSTOMER REVIEW

“ These are one tough monkey. We have two of these units already. They get put to the test. ”

~ TODD IN WISCONSIN

WINCH ACCESSORIES



“ Best price on ready
to install cables. These
work great. I could not
be happier with Pierce! Thank you!

~ SAM IN NEW MEXICO

★★★★★ 5-STAR CUSTOMER REVIEW

”

Hooks

P51104041



P320A112



P516SLH



P324C12



	P51104041	P320A112	P516SLH	P324C12
PRODUCT	3 TON SWIVEL HOOK WITH SAFETY LATCH	2 TON ALLOY SAFETY HOOK	B/A SELF LOCKING HOOK	1/2" EYE SLIP HOOK
DESCRIPTION	The swivel hook allows cable to lay flat while the safety latch keeps cable in place. Includes greaseable screw out pin and swivel hook with safety latch and 3" sheave	Safety hook with spring latch	Self locking 5/16" hook for the best protection on the road	1/2" thick eye slip hook
COMPATIBLE WITH	3/8" - 1/2" cable	5/16" cable	5/16" or 3/8" cable	3/8" cable
MATERIAL	Alloy	Alloy	Alloy	Zinc Plated Forged Steel
GRADE	G80	G80	G80	G43
CAPACITY	24,000 lbs.	16,000 lbs.	18,000 lbs.	24,000 lbs.
WLL	6,000 lbs.	4,000 lbs.	4,500 lbs.	6,500 lbs.

P0689S



PS016



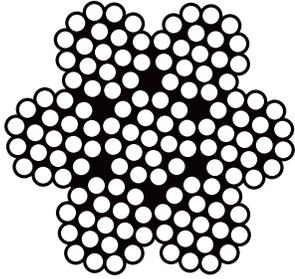
P069



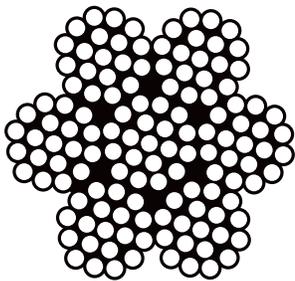
	P0689S	PS016	P069
PRODUCT	5/16" SAFETY SLIP CLEVIS HOOK	3/8" CLEVIS GRAB HOOK	3/8" SLIP HOOK
DESCRIPTION	5/16" thick hook with spring latch. Hook is designed with clevis for easy chain attachment	3/8" clevis grab hook	3/8" slip hook
COMPATIBLE WITH	5/16" chain	3/8" chain	1/4" or 5/16" cable
MATERIAL	Yellow Chromate Forged Steel	Zinc Plated Forged Steel	Zinc Plated Forged Steel
GRADE	G70	G43	G43
CAPACITY	17,200 lbs.	21,600 lbs.	16,000 lbs.
WLL	4,300 lbs.	5,400 lbs.	4,000 lbs.

Pierce winch cable is aircraft grade with galvanized soft lay cable 7 x 19 class (5/16" and 3/8") or 6 x 19 class (1/2"). Right-hand regular lay construction. The ends to the cable assemblies are spliced using a hydraulic press for safety and also include a heavy duty thimble and eye slip hook.

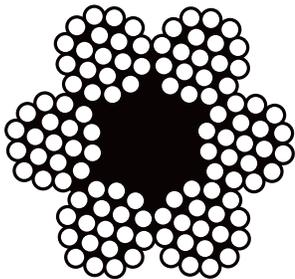
Cable by the Foot



– PS037 5/16" (Breaking strength is 9,800 lbs.)



– PS036 3/8" (Breaking strength is 14,400 lbs.)



– PS038 1/2" (Breaking strength is 21,600 lbs.)



Cable Assemblies



3/8" CABLE WITH 1/2" SLIP HOOK

- PS0361 50'
- PS0362 75'
- PS0363 100'
- PS0364 125'
- PS0365 150'



5/16" CABLE WITH 3/8" SLIP HOOK

- PS0371 50'
- PS0372 75'
- PS0373 100'
- PS0374 125'
- PS0375 150'



5/16" CABLE WITH SAFETY HOOK

- PS0371S 50'
- PS0372S 75'
- PS0373S 100'
- PS0374S 125'
- PS0375S 150'



3/8" CABLE WITH SAFETY SWIVEL HOOK

- PS0361SS 50'
- PS0362SS 75'
- PS0363SS 100'
- PS0364SS 125'
- PS0365SS 150'



1/2" CABLE WITH SAFETY SWIVEL HOOK

- PS0381SS 50'
- PS0382SS 75'
- PS0383SS 100'
- PS0384SS 125'
- PS0385SS 150'

Snatch Blocks

P045S



	P045S	P045SNH
PRODUCT	2 TON SNATCH BLOCK WITH SWIVEL HOOK	2 TON SNATCH BLOCK WITHOUT HOOK
DESCRIPTION	Includes a greaseable screw out pin and swivel hook with safety latch and 3" cable sheave.	Includes a greaseable screw out pin and 3" cable sheave.
COMPATIBLE WITH	cable up to 3/8"	cable up to 3/8"
MATERIAL	Bronze bushed, forged steel	Bronze bushed, forged steel
CAPACITY	16,000 lbs.	16,000 lbs.
WLL	4,000 lbs.	4,000 lbs.

PLB1020M



	PLB1020M
PRODUCT	3 TON SNATCH BLOCK
COMPATIBLE WITH	3/8" cable
MEASUREMENT	5.75" x 3"
HOLE DIAMETER	1.5"
PIN	5/8"
PULLEY	2.5"
MATERIAL	Steel
CAPACITY	6,000 lbs.

P045



	P045	P045NH
PRODUCT	4 TON SNATCH BLOCK WITH SWIVEL HOOK	4 TON SNATCH BLOCK WITHOUT HOOK
DESCRIPTION	Includes a greaseable screw out pin, swivel hook with safety latch, 4.5" cable sheave and bronze bushing to eliminate greasing.	Includes a greaseable screw out pin, 4.5" cable sheave and bronze bushing to eliminate greasing.
COMPATIBLE WITH	cable up to 1/2"	cable up to 1/2"
MATERIAL	Bronze brushed, forged steel	Bronze brushed, forged steel
CAPACITY	32,000 lbs.	32,000 lbs.
WLL	8,000 lbs.	8,000 lbs.

PLB1030B



	PLB1030B
PRODUCT	5 TON SNATCH BLOCK WITHOUT HOOK
COMPATIBLE WITH	3/8" cable
MEASUREMENT	10"
CABLE SHEAVE	3" wide hole for attaching winch chain or strap
MATERIAL	Steel
CAPACITY	10,000 lb.
PIN	1"

Roller Guides



PLANETARY WINCH ROLLER GUIDE
RF10000

- Zinc plated horizontal rollers.
- Mounts to flat or horizontal surfaces.
- Fits Pierce planetary winches between PS9000 to PS20000

DIMENSIONS

- 11.75" x 3.625" x 4.75"

MATERIAL

- Zinc plated



PS654 SERIES ROLLER GUIDE
PS5008 (8" DRUM)
PS50011 (11" DRUM)

- Fits PSW654 winches
- These heavy duty roller guides are made from cast steel with 1.5" rollers. Each roller is electro-plated. Each horizontal roller is equipped with two grease fittings to insure smooth rolling action. Two sets of holes allow side or rear mounting.

MATERIAL

- Cast Steel



PS654 SERIES ROLLER GUIDE
PS50011DT

- Fits PSW654-11K, PSW654-11MK and PSW654-11HK winches.
- The 11" roller guide with cable tensioner includes a conical barrel spring. Used to guide cable away from extreme angles while keeping tension on the cable for neat wraps.

DIMENSIONS

- 14 7/8" x 4 5/8" x 3 1/8"

MATERIAL

- Cast Steel

Tensioners

These rugged and simple wire rope tensioners prolong winch cable life by reducing kinks and flat spots. They provide constant tension against the winch drum which helps eliminate cable backlash and birdnesting. We recommend the use of Pierce roller guides in conjunction with the cable tensioner.



PSCT8 / PSCT11
(Fits 8" Drums / Fits 11" Drum)



880179
(Fits PSHV10000)



PSCTPSHV
(Fits PSHV10000)

Mounts



WINCH MOUNT RECEIVER HITCH

PBM20

- This winch mount installs in a standard 2" receiver hitch.
- Black powder-coated finishing.
- Fits a PS9000, PS12000 or PS20000.
- Includes removable handles for easy storage.



ANGLE MOUNTS FOR PS654 SERIES WINCH

PT037

- Pre-drilled and notched 1/4" x 2" x 2" angle iron mounting brackets for all PS654 Series winches with 8" or 11" drums.
- Use these mounts to recess your winch in a semi-hidden application or build your own custom mount.



PS654 SERIES STANDARD WINCH MOUNT

PBM1

- Secure the standard winch mount to flat surfaces such as concrete or flatbeds.
- Fits PS654 worm gear winches.
- Made from 1/4" plate steel.
- Replacement mount used on the PS654 series AC winch.



PS654 SERIES RECEIVER HITCH MOUNT

PBM1RH

- The Pierce receiver hitch winch mount quickly installs to a standard 2" receiver hitch.
- The hitch design and steel handles allow for winch mount portability.
- Easily mount your winch to the front or rear of your vehicle.
- Made from 1/4" plate steel.
- Pre-drilled for Pierce 8" and 11" drums.
- Fits PS654 worm gear winches.

Winch Parts



QUICK CONNECTS

ASTC9036 - 6 gauge
ASTC9034 - 4 gauge
ASTC9032 - 2 gauge

- Quick connects provide a safe power source for portable equipment and booster cables. Two quick connects fit together to create a complete connection
- Available in pairs



SAFETY CUTOFF SWITCH PS025

- Up to 1,000 amps in rush, 180 amps continuous, 3/8" terminals
- Protects your equipment from damage due to solenoid sticking or shorting
- Winch warranty may be voided without one



400 AMP FUSE FUS-LINK

- Connect one terminal to the battery and one to the solenoid using #4 or #2 gauge wire (**Note: these connections are shown in the photo but are sold separately**)



PS654 WINCH SOLENOID ASSEMBLY PS528C-N

- Replace the can, mechanical-style solenoids with a compact-style

AMPERE

- 400A

DUTY CYCLE

- 25%



PLANETARY WINCH COMPACT SOLENOID ASSEMBLY PS528N

- Replace the can, mechanical-style solenoids with a compact-style

AMPERE

- 400A

DUTY CYCLE

- 25%



12 VOLT COMPACT SOLENOID PSCSP

- Replacement solenoid for PS654 and PS series winches. Single solenoids offer exceptional bidirectional performance.
- Waterproof design
- 400 amp rating



12 VOLT PLANETARY MOTOR PSM912 (6K/9K/12K) PSM1520 (15K/20K)

PSM912

- Fits the 6,000, 9,000 and 12,000 lb. Pierce winches and is rated 5.5 hp

PSM1520

- Fits the 20,000 lb. Pierce winch and is rated 6.5 hp

WARRANTY

- 1 year



12V HEAVY DUTY MOTOR WITH BALL BEARINGS PS534H

- Standard PS654 winch motor
- High temperature solder for heavy pulling
- Ball bearings improve longevity
- 3/4" shaft for woodruff key



REPLACEMENT MOTOR FOR THE PS654-EK 110V WINCH PSS110

- Rated at 1.5 hp, 1,800 rpm
- Fits PS654-EK 110V winches
- Includes ball bearings. Capacitor Start. NEMA 56C Mounting Frame. NEMA Service Factor of 1.15

CHAIN HOISTS



Chain Hoists

Many of our customers need a low cost, low profile chain hoist option for their small business. For a decade, Pierce chain hoists have saved backs, time and money. From hook to hook the clearance is only two feet. Choose between our 2,000 lb. and 4,000 lb. models.

1 TON MINI CHAIN HOIST PS65620



LOAD CAPACITY	2,000 lbs.
MOTOR	1.8 hp
SPEED	8 fpm
AMPS	11 amp
VOLTAGE	110V/1400W
LIFTING HEIGHT	20 ft.
CHAIN	1/2 in.
PRODUCT WEIGHT	62 lbs.
GROSS WEIGHT	81 lbs.
BRAKE	Dual Safety

2 TON 220V CHAIN HOIST PS65640



LIFTING CAPACITY	4,000 lbs.
SPEED	8 fpm
LIFTING HEIGHT	20 ft.
CHAIN	1/2 in.
VOLTAGE	220/240V (2300 W/6.5 A)
PRODUCT WEIGHT	62 lbs.
GROSS WEIGHT	81 lbs.
BRAKE	Dual Safety
WARRANTY	1 year

WARNING: Chain hoists are not to be used in elevators or the movement of people. Do not allow persons to be underneath the chain hoist while it is in operation or while carrying a load.

Trollies

Add a trolley to move your Pierce chain hoist across standard I-beams.

PSTP1

- Fits 1 ton chain hoist.



PSTP2

- Fits 2 ton chain hoist.



★★★★★ 5-STAR CUSTOMER REVIEW

“ I bought (PS50011DT) to work with my PS654 winch with 11 in. drum, **great product, great price and great service** from Pierce. **A+**, would buy again. Thanks! ”
~ CHRIS IN COLORADO

HELPFUL WINCH INFO



FAQ:

How much pulling power do I require?

You need a winch to be powerful enough to pull your vehicle while overcoming the added resistance caused by an obstacle, moving water, mud, snow or sand on a steep hill. Choose a winch with a maximum line pull of at least 1.5 times greater than the gross vehicle weight.

What kind of winch do I need?

To choose the best fitting winch for your application you first must know the basic types. Pierce winches are categorized several ways: planetary vs. worm gear or electric vs. hydraulic. Let's break down these types of winches then discuss how they perform in various applications.

POWER	Electric winches running on 12V or 24V power <i>PRO:</i> affordable <i>CON:</i> duty cycles require rest	Hydraulic winches are powered by a clutch pump or PTO with a minimum of 2,000 psi and 7 gpm <i>PRO:</i> runs continuously <i>CON:</i> expensive
	GEARS	Planetary Gear orbiting gears offering higher speeds but lesser pulling powers <i>PRO:</i> fast line speeds <i>CON:</i> no hold

The main difference in the gearing systems is their transfer efficiency. The Worm gear has a low transfer efficiency. This causes the winch to be self-braking even under heavy loads. Worm gears have the most reduction, a load-holding ability and a much slower line speed. Planetary gear winches have higher efficiencies, meaning they are not load-holding, and have the tendency to unspool when loaded, but have a much higher line speed. Planetary gears are usually the more popular purchase due to the faster line speed and lower price. You always need to keep in mind the load-holding capability and make sure you have chosen the right winch for your application.

Industrial operators using trailers and wreckers should consider a hydraulic, worm gear winch. Self recovery applications are best matched with an electric, planetary gear winch. There are exceptions to these guidelines. For example, industrial owners on a budget or without hydraulics will find an electric, worm gear sufficient. Some industrial applications are compatible with the electric, planetary gear winch, especially if the winch is used periodically throughout the month.

QUICK DEFINITIONS

Capacity: manufacturer's tested mechanical strength of a winch pulling dead weight

Line pull: rated by the first layer of cable on the drum

Rolling pull: calculated line pull of winch pulling an object with wheels

Clutch: the mechanism to engage and disengage the gears

Brake: the internal mechanism that stops or slows the winch

Worm Gear: a screw-like part that reduces the rotational speed but allows for greater pulling power. Worm gears are found in the PS654 series winches

Planetary Gear: orbiting gears offering higher speeds but lesser pulling powers

Gross vehicle weight (GVW): Maximum weight of a vehicle when loaded

FAQ:

How do I calculate the rolling pull?

Pierce winches, like many others, are rated at the maximum line pull or maximum dead weight the winch can pull with a single line on the first layer of wire rope on the drum. Many times winches pull wheeled vehicles up trailers, trenches or hills. To better determine the capacity of your winch under various situations calculate maximum rolling pull by dividing the rated line pull by the gradient plus friction. Use the charts to the right to determine the value of F and G.

FORMULA

$$\text{MAXIMUM ROLLING PULL} = \frac{\text{RATED LINE PULL}}{(F) + (G)}$$

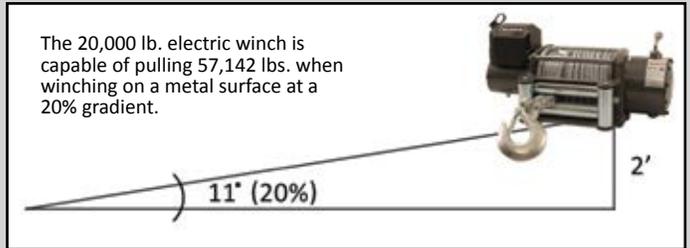
How much can a 20,000 lb. Pierce electric winch pull on a metal surface at a 20% gradient?

$$\text{MAXIMUM ROLLING PULL} = \frac{20,000 \text{ lb. Pierce Winch}}{(0.15) + (0.20)}$$

$$57,142 \text{ lb.} = \frac{20,000 \text{ lb.}}{0.35}$$

FRICTION (F)						
SURFACE	Sand	Soft sand	Mud	Gravel	Marsh	Metal
F	0.18	0.22	0.32	0.20	0.52	0.15

GRADIENT (G)							
GRADIENT	5%	10%	20%	30%	50%	70%	100%
ANGLE	3	6	11	17	26	35	45
G	0.06	0.11	0.20	0.30	0.44	0.58	0.71



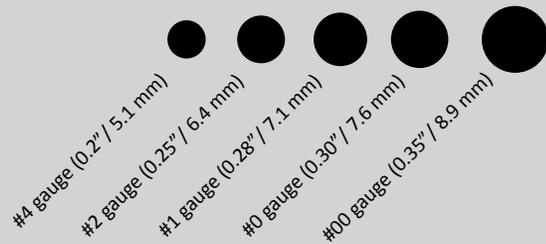
What do I need to know before I start Winching?

- 1 Inspect the winch power connections, wire rope, battery and switch
- 2 Use a PS025 safety cutoff switch to protect your equipment
- 3 Use a snatch block to double your pulling power and connect to a secure anchor
- 4 Ensure the winching area is clear of people
- 5 Fully engage the winch into gear
- 6 If unsure the winch is fully engaged do not use. Call for instructions.

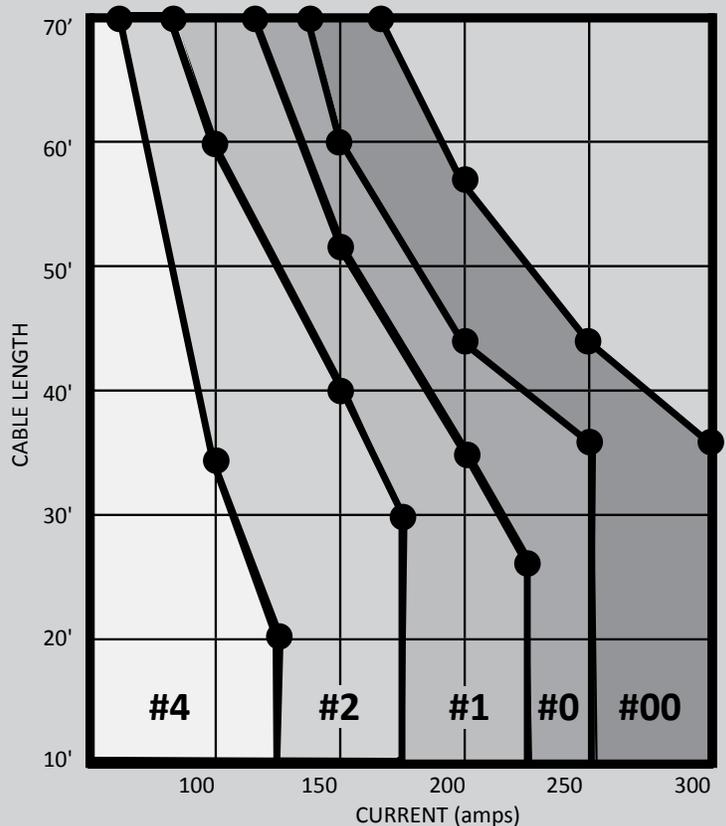
What size battery cable do I need?

Select the cable size so that your cable length and maximum amp draw falls below and to the left of the curve. For best results, increase the cable size by one or two sizes above the minimum shown below.

Below is the size of the battery cable's copper strand. The insulation of the cable is not included in the measurement.



The curve to the right indicates a 100V loss in the battery cable.





PROUD SUPPORTERS

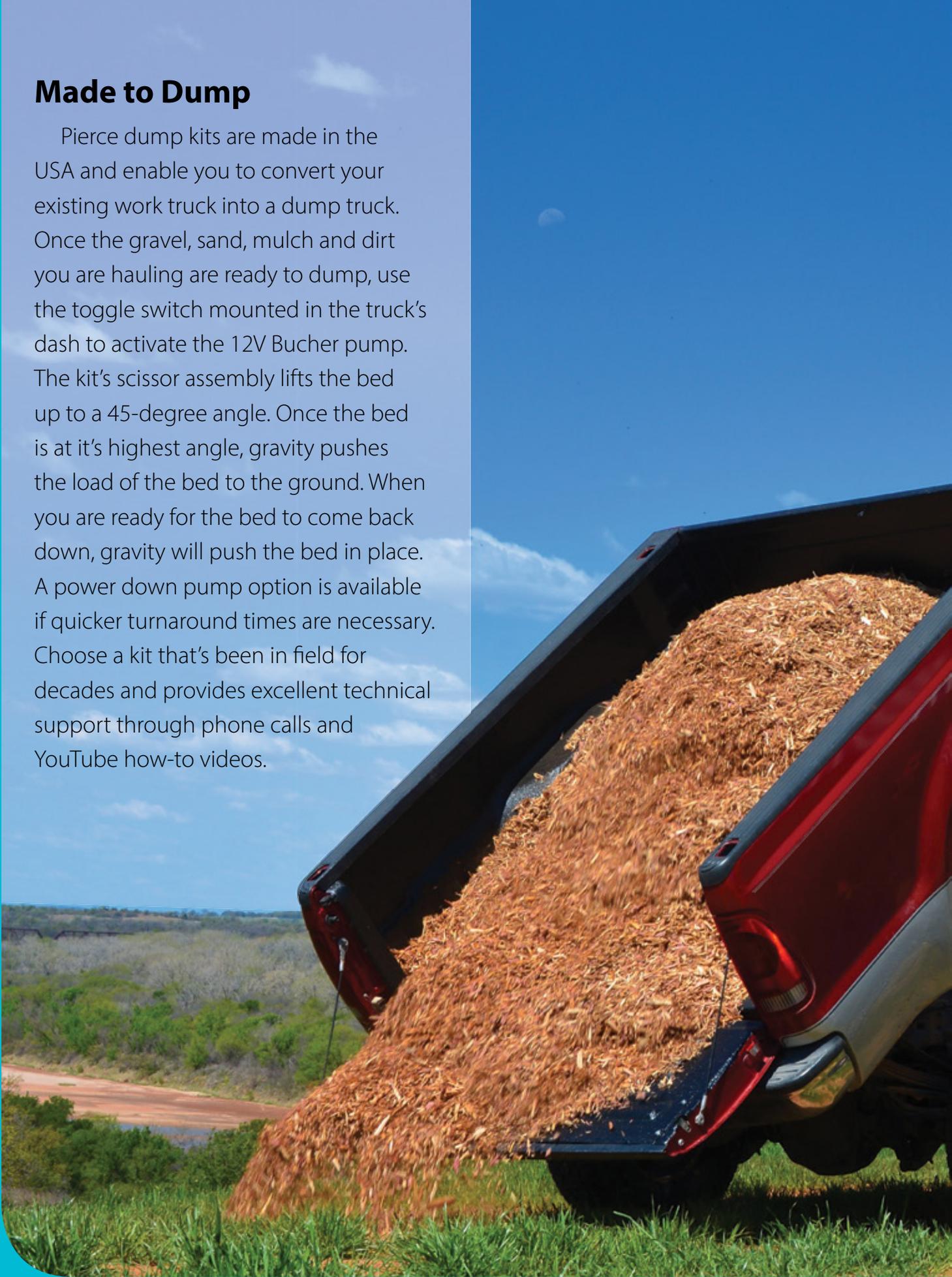
Pierce is proud to support the FFA through yearly scholarship opportunities; social media promotions and our partnerships with local chapters.

We support the FFA because our values are one in the same. Additionally, the FFA is an incredible organization offering students hands on, practical knowledge before entering the work force or college.



Made to Dump

Pierce dump kits are made in the USA and enable you to convert your existing work truck into a dump truck. Once the gravel, sand, mulch and dirt you are hauling are ready to dump, use the toggle switch mounted in the truck's dash to activate the 12V Bucher pump. The kit's scissor assembly lifts the bed up to a 45-degree angle. Once the bed is at its highest angle, gravity pushes the load of the bed to the ground. When you are ready for the bed to come back down, gravity will push the bed in place. A power down pump option is available if quicker turnaround times are necessary. Choose a kit that's been in field for decades and provides excellent technical support through phone calls and YouTube how-to videos.



★★★★★ 5-STAR CUSTOMER REVIEW

“ I have had the kit for over 10 years on my 2500 GMC. I've only re-sealed the cylinder in all the years. Nothing but cheers from me and others when I say **I only load once.** ”

~ MICHAEL IN MARYLAND



Pierce 2T Dump Kits

See the chart below to see if Pierce has a kit that will fit your truck make and model. Some models are not compatible with the Pierce kit since the back end of the bed must be parallel with the cab. The best solution is to install a flatbed with a Pierce 5T kit instead of using the stock bed.



DUMP KITS: 2T

MAKE	YEAR	BED	NOTE	PART NUMBER	WEIGHT
FORD					
	TO '98	6' - 8'	Standard cab	P046-UK	170 lbs.
	'99 - '15	6'	Superduty	P046-UFSBK	173 lbs.
	'99 - '15	8'	Superduty	P046-UFLBK	177 lbs.
	1997		F150, new body	Not available	
DODGE					
	TO '77	6' - 8'	16" Frame	P046-UK	170 lbs.
	'78 - '83	6' - 8'	'83 frame	P046-UK	170 lbs.
	'84 - '93	6' - 8'		P046-UDK or P046-UDK17 *	171 lbs.
	'94 - '02	6'	Standard cab	P046-UDNSBK	186 lbs.
	'94 - '02	8'	Standard cab	P046-UDNK	190 lbs.
	'94 - '02	8'	Extended cab	P046-UDNELBK	192 lbs.
	'03 +			Not available unless you have a channel crossmember.	

* CHECK THE DISTANCE BETWEEN CROSSMEMBERS BEFORE CHOOSING A KIT:

P046-UDK - distance between the bed crossmembers is 16 3/8"
 P046-UDK17 - distance between the bed crossmembers is 17"

CHEVY/GMC

	TO '87	6' - 8'		P046-UK*	170 lbs.
	'88 - '98	8'		P046-UCK*	206 lbs.
	'88 - '98	6'		P046-UCSBK*	171 lbs.
	'99 - '15	6'		P046-UCSB99K* Available in 2015	176 lbs.
	'99 - '15	8'		P046-UCLB99K*	176 lbs.

* CHECK YOUR CROSSMEMBER BEFORE PURCHASING:

If the crossmember faces down - choose a P046-UK

If the crossmember opens up - choose a P046-UCK (long bed) or P046-UCSBK (short bed)

If the crossmember is 3" - choose a P046-UCLB99K (long bed) or P046-UCSB99K (short bed)

* P046-UCLB99K AND P046-UCSB99K

FUEL FILLER NOTE:

1999 - 2015 Chevy trucks may require a fuel filler extension. First, measure the diameter of your filler tube and request that diameter filler elbow (see chart to the right). Or you can shorten your filler, mount directly on the tank, and raise bed a short distance when fueling.

YEAR	BED	MODEL	FUEL FILLER DIA.	FUEL
1999-2003	6' - 8'		2" diameter	
2004-15	6' - 8'	1500 series	1 1/8" diameter	
2004-15	6' - 8'	2500 & 3500	1 1/8" diameter	Gas
2004-15	6' - 8'	2500 & 3500	1 1/2" diameter	Diesel

* REINFORCEMENT NOTE:

All 1988 - 2015 Chevy trucks require bed reinforcement.



Pierce 2T Dump Kit Specifications

LOAD CAPACITY

- 4,000 lbs.

MAXIMUM ANGLE

- 45 degrees

DUMPING TIME

- 10 sec.

PUMP PRESSURE

- 2,250 psi

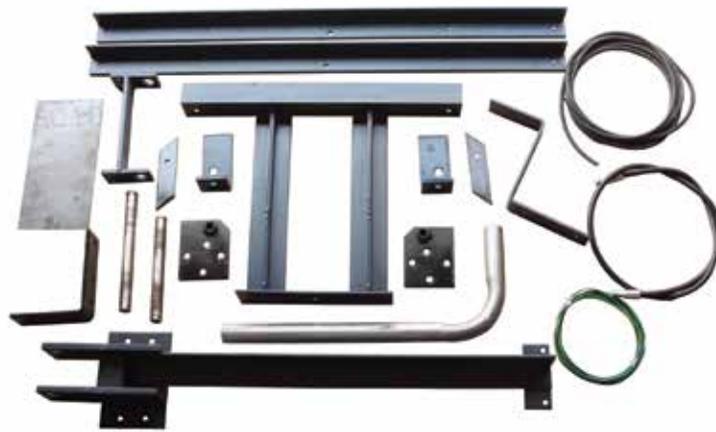
Included Parts:

- ✓ Dump Kit Parts
- ✓ Lower Frame
- ✓ Hinges
- ✓ Hinge Arms
- ✓ Stiffener Plate
- ✓ Frame Angles
- ✓ Guides
- ✓ Gas Filler Bracket
- ✓ Gas Filler Extension
- ✓ Base Assembly
- ✓ Electrical Kit
- ✓ Scissor Assembly with Cylinder
- ✓ Hardware Kit

Hydraulic Kit Includes:

- ✓ Bucher 12V Power Up / Gravity Down Hydraulic Pump
- ✓ Pump Bracket
- ✓ Hose
- ✓ Fitting

2T DUMP KIT PARTS



ELECTRICAL KIT



SCISSOR ASSEMBLY



HYDRAULIC KIT & PUMP



HARDWARE KIT



UPGRADE OPTION



NOTE: Pierce dump kits come standard with a power up / gravity down pump. The PM3551 power up / gravity down pump is available as an upgrade.

2T Installation Overview

To learn more about the installation process, visit our YouTube channel or contact our technical service department for help.

PREPARATIONS



GAS ADJUSTMENTS



FRAME ADJUSTMENTS



HYDRAULIC CONNECTIONS



BED ADJUSTMENTS



ELECTRIC CONNECTIONS



BUMPER CONSIDERATIONS



FINAL PRODUCT



* Some kits (P046-UFLBK) require extra

★★★★★ 5-STAR CUSTOMER REVIEW

“I definitely would recommend this product to anyone seeking to install a dump bed. I cannot express how pleased I am with the **quality** of workmanship and the fact that everything was included. **Awesome!**”

~ JOHN, NEW MEXICO • 5T DUMP KIT



DUMP KITS: 5T & 7.5T

Pierce Dump Kits are fast, safe and more cost effective

Hefty hoist kits lift 10' to 14' flat bed applications with five to seven and a half ton capacities. In a matter of one to two days, experienced installers can install these kits. Pierce uses quality materials to set our kit apart including Bucher 12V pumps (formerly Monarch), Chief cylinders and grease zerks. The steel for the hinges and scissor assembly are fabricated in the USA. Our goal is to offer a product with little to no maintenance at the very best price.



5T KIT
P046-HMK



7.5T KIT
P046-7MK



DUMP KITS: 5T & 7.5T

5T and 7.5T Parts

Includes crossmembers, safety prop, hardware for mounting scissor, cylinder, bed hinges, 12 volt hydraulic pump, tank, hydraulic fittings, switches, electrical connections, wires, 150 amp breaker and hydraulic hoses. The color of the unit vary.



IMPROVED! Pierce 5T and 7.5T dump kits now include a safety prop with Pierce twist locks to ensure user safety.



5T and 7.5T Installation Overview

Please note: each truck make and model requires a different installation process. The following overview is to help the installer understand the scope of work before getting started.

1. SHORTEN CHASSIS

Shortening the chassis creates an overhang and makes the kit stronger.

2. REAR HINGE PLACEMENT

The rear hinges bolt to the frame.

3. SCISSOR ASSEMBLY PLACEMENT

The scissor must be between 5' 8" and 6' 6" from the truck's rear.

4. BED HEIGHT

If a fuel tank or hose is in the way, the bed may need to be lifted with spacers.

5. CROSS MEMBER MODIFICATIONS

Depending on the width of the frame, the cross member may require trimming. Bolt the crossmember to the brackets.

6. FRONT FRAME HINGES

Bolt the hinges to the truck bed frame.

7. CHECK MEASUREMENTS

Before welding or bolting any part of the kit, check your measurements.

8. HYDRAULIC AND ELECTRICAL CONNECTIONS

Wire the pump to the battery and connect the hose to the cylinder.

9. SAFETY PROP

Install the safety prop with the bed in the up position to adjust where the prop needs to mount.



FAQ:

Before your purchase, determine the overhang.

To reach maximum kit capacity and lift a few questions must be asked.

1. What is the bed length?
2. How much overhang past the frame can I have?
3. What is the optimal dump angle for my application?

Desired bed height and lift capacity are determined by the placement of the crossmember. Chassis construction may dictate crossmember location.

Choosing the Lift Angle

The bed length and overhang length effect the capacity of your kit. For example, if you require the maximum capacity for a 7.5 T kit you must have:

- 8' bed with 12" overhang or,
- 10' bed with 24" overhang or,
- 12' bed with 36" overhang

Refer to the tables to the right for more information. Desired bed height and lift capacity are determined by the placement of the crossmember.

5T KIT - P046-HMK			
	8' BED	10' BED	12' BED
OVERHANG 0"	4.75 T	3.75 T	3
12"	5 T	4.75 T	3
24"	-	5 T	4.75 T
36"	-	-	5 T

7.5T KIT - P046-7MK			
	8' BED	10' BED	12' BED
OVERHANG 0"	7 T	6.5 T	6 T
12"	7.5 T	7 T	6.5 T
24"	-	7.5 T	7 T
36"	-	-	7.5 T

How do I determine cargo weight?

L: load (lbs)

W: density of load (lb. / cu. ft.)

Y: depth of load (in.)

- TO FIND THE WEIGHT OF THE LOAD (L)

$$L = (3.5 \text{ cu. ft. / in.}) \times (W) \times (Y)$$

Example: Determine the weight of an 8" deep dry clay. Use the chart to the right to find the density of the load.

$$L = (3.5 \text{ cu. ft. / in.}) \times (63 \text{ lb. / cu. ft.}) \times (8 \text{ in.})$$

$$L = 1,764 \text{ lbs}$$

- TO FIND THE DEPTH OF THE LOAD (Y)

$$Y = L (3.5 \text{ cu. ft. / in.}) \times (W)$$

Example: Determine the depth of dry clay. The weight cannot exceed 2,400 lbs. Use the chart to the right to find the density of the load.

$$Y = 2,400 \text{ lbs} (3.5 \text{ cu. ft. / in.}) \times (63 \text{ lb. / cu. ft.})$$

$$Y = 2,400 \text{ lbs} (220.5 \text{ lbs / in.})$$

$$Y = 10.88 \text{ in.}$$

MATERIAL LOAD	DENSITY (lb., cu. ft.)	MATERIAL LOAD	DENSITY (lb., cu. ft.)
Aluminum	165	Dry Clay	63
Antimony	414	Moist Clay	110
Asbestos	153	Coal	98
Ashes	43	Concrete	97
Birch	43	Copper	556
Brick Masonry	118	Earth	78
Bronze	509	Flour	47
Cement	94	Glass	160
Charcoal	34	Solid Granite	165
Oats	27	Wheat	48
Hay	20	Ice	20
Lead	710	Marble	168
Nickel	547	Paper	58
Yellow Pine	41	White Pine	27
Potatoes	42	Dry Sand	99
Salt	48	Sandstone	144
Sawdust	13	Snow	10
Slate	175	Tar	69
Steel	482	Tin	457
Tile	113		

★★★★★ 5-STAR CUSTOMER REVIEW

“ I have always been able to call and get a voice and honest answers. ~ STEVEN ”



BALE SPIKES

Feed your herd quickly in the comfort of your truck.

We know you want to make the most of every dollar. We created the Pierce bale spike for small to medium-sized ranches to inexpensively feed cattle one bale at a time. You don't have to buy an expensive bale bed to do the job, the Pierce bale spike works the same way without the cost. The Original model, the ABS1K, can be taken off the truck by one person – no overhead lift or extra tools required.

For decades, we've engineered and manufactured our spikes in our shop in Henrietta, Texas. We offer replacement parts in case the spike isn't used for several seasons and you need a new pump, solenoid or wiring.



The Original Pierce Bale Spike – ABS1K

The ABS1K attaches to a standard 2 5/16" gooseneck ball and can be installed by one person. The bale spike is light enough to lift without an overhead hoist. Haul up to 2,500 lbs of hay. Comes with a welded 3" cylinder with a 16" stroke, 56' of #4 hookup cables, quick disconnects, two way Bucher pump, Pierce two function remote and a 150 amp breaker. One year warranty included.

MOUNTING

- Over a standard 2 5/16" gooseneck ball

INCLUDED

- 12V power up / power down hydraulic Bucher pump, 15' water resistant remote, harness with electrical quick disconnects and 150 amp breaker

CYLINDER

- 3,000 psi
- Welded

PUMP PSI

- Adjustable relief set at 2,500 psi. Delivers 1.25 gpm at 1,750 psi.

PUMP SIZE

- 3 qt. steel tank

BREAKER

- 150 amp
- Push-to-trip, manual reset
- Waterproof

CAPACITY

- 2,500 lbs.

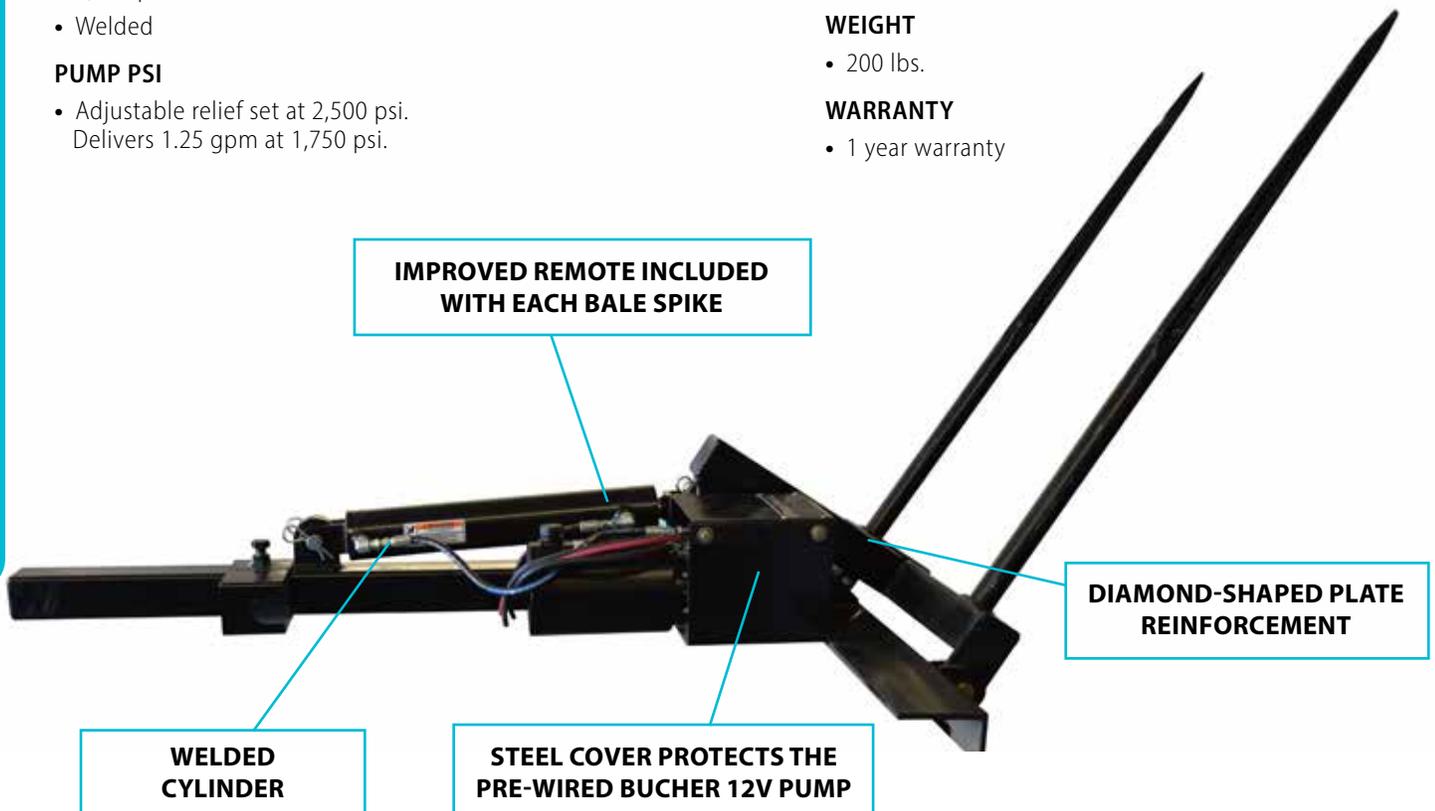
WEIGHT

- 200 lbs.

WARRANTY

- 1 year warranty

BALE SPIKES



The Pierce Bolt-On Bale Spike – ABS2K

The ABS2K bolts to the OEM bed or flat bed truck, allowing the gooseneck to be unused. Just remove the bale spears to use your trailer. Haul up to 2,500 lbs of hay. Comes with 3" cylinder with a 16" stroke, 56' of number four hookup cables, quick disconnects, two way Bucher pump, Pierce two function remote and a 150 amp breaker. One year warranty included.

MOUNTING

- Bolt on the bed of a OEM or flat bed truck

INCLUDED

- 12V power up / power down hydraulic Bucher pump, 15' water resistant remote, electrical quick disconnects and 150 amp breaker

CYLINDER

- 3,000 psi
- Welded

BREAKER

- 150 amp
- Push-to-trip, manual reset
- Waterproof

PUMP PSI

- Adjustable relief set at 2,500 psi.
Delivers 1.25 gpm at 1,750 psi.

PUMP SIZE

- 3 qt. steel tank

CAPACITY

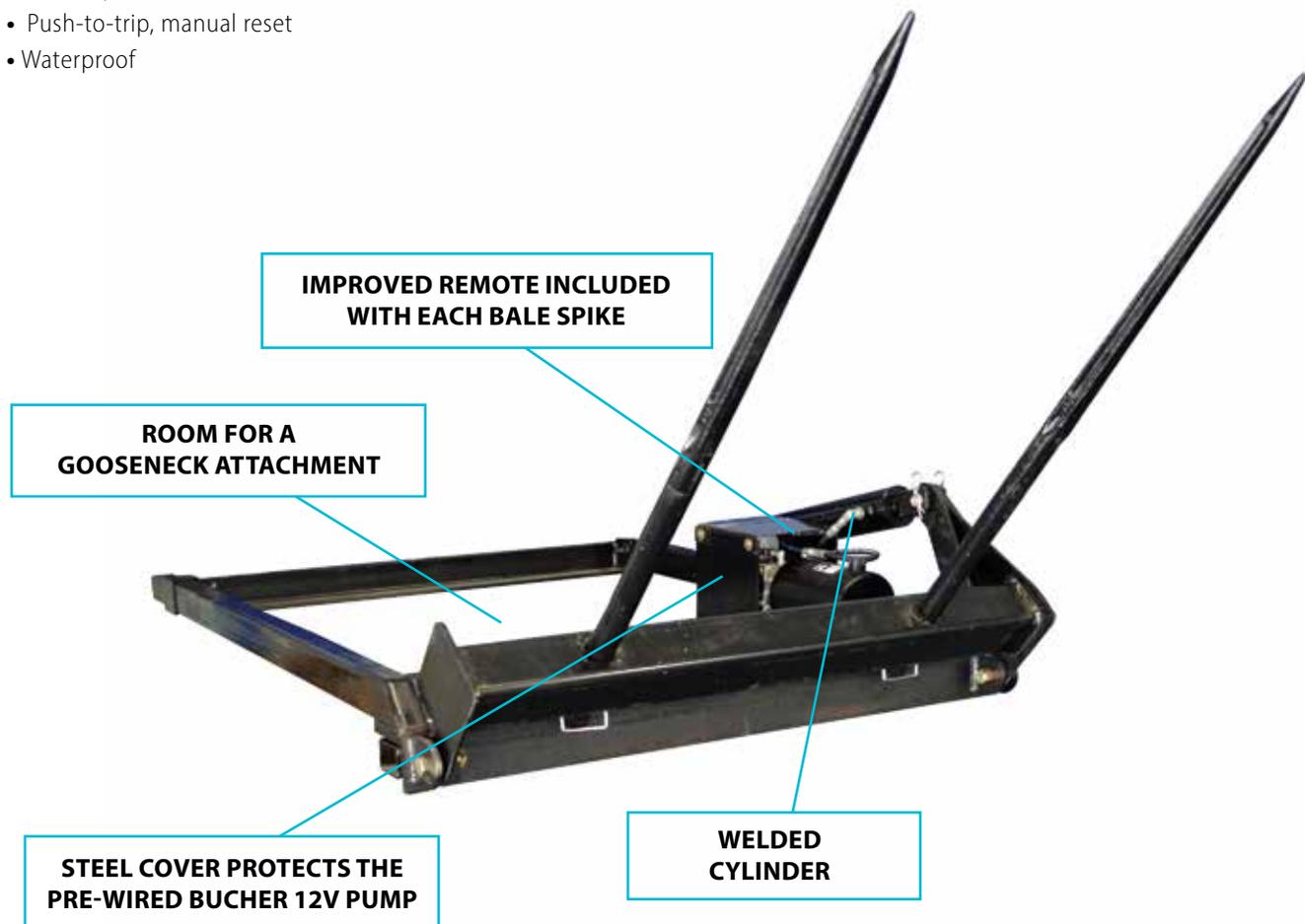
- 2,500 lbs.

WEIGHT

- 250 lbs.

WARRANTY

- 1 year warranty



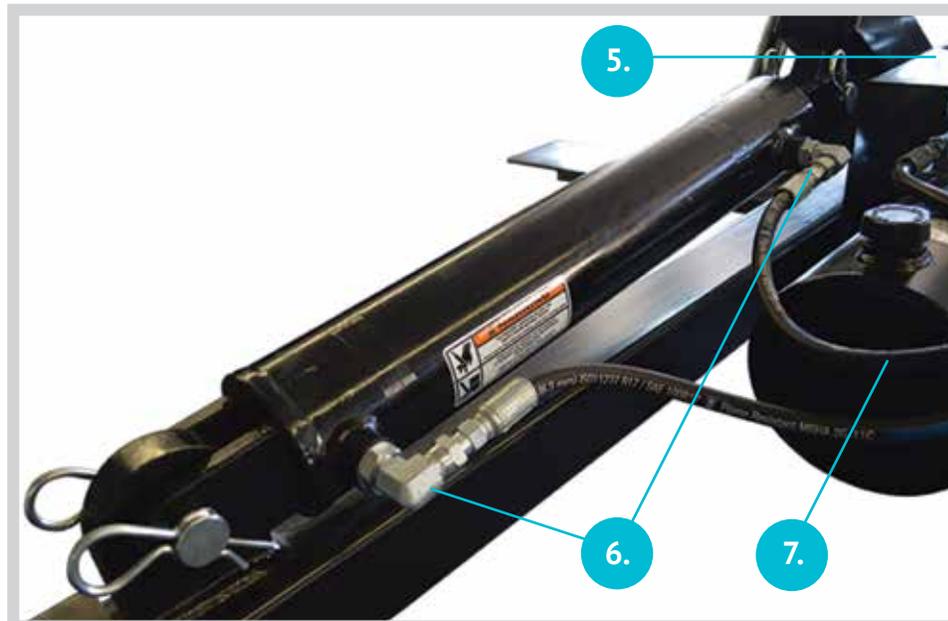
UPGRADE OPTION

Add a Pierce PS102 wireless remote system to operate your bale spike outside the vehicle. See page 60-61.

Bale Spike Part Breakdown ABS1K • ABS2K

Electrical, hydraulic and spear parts are interchangeable between the ABS1K, the Original Pierce Bale Spike and, ABS2K, the Bolt-on Pierce Bale Spike. We recommend checking all connections regularly to ensure properly functionality. Use the following chart to find the parts you need.

ID	PART NUMBER	DESCRIPTION
1	ABS1SPEAR	Forged spear
2	HCL-3016	3 x 16 Cylinder
3	ABS002	Collar Extension
4	ABS1PIN	Spear Pin
5	ACOPL	Pump Cover
6	P19414	3/4" x 1/4" 90° Swivel O-Ring Cylinder Fitting
7	ABS1H	26" Hydraulic Hose (ABS1K)
NOT SHOWN		
	ABSHB-25	25' Truck Side Harness
	ABSHB	20' Truck Side Harness
	ABSHNB	8' Bale Side Harness
	14490	9/16" SAE x .25" 90° Pump Fitting



Bale Spike Accessories and Parts

BALE SPIKE REPLACEMENT MOTOR

P228

- Standard duty replacement motor for Monarch or Bucher pumps



BUCHER DUAL ACTION BALE SPIKE PUMP

PM35540131

- 6" x 9" steel 3 qt. reservoir
- Power up / hold / power down
- Adjustable relief set at 2,500 psi
- Delivers 1.25 gpm at 1,750 psi



BALE SPIKE SOLENOID REPLACEMENT

P050T

- Bucher pump 12V solenoid with black plastic cover
- Fits the PM35540131 pump



DIY BALE SPIKE KIT

163

- Are you looking to build your own bale spike or log splitter? This kit includes a 12VDC hydraulic pump with three quart steel reservoir, water resistant remote control, welded cylinder, electrical connections and fittings. You just need to provide the metal to complete the job.

WELDED CYLINDER

- 3,000 psi
- 1/2" NPT Ports

PUMP PSI

- Adjustable relief set at 2,500 psi. Delivers 1.25 gpm at 1,750 psi.



BALE SPIKE REPLACEMENT REMOTE

CP077K

- 15 amp max / 12V or 24V
- Double pole, double throw
- Use 16-18 gauge wire



DROP HINGES

ABS1DH Fits the ABS1K

ABS2DH Fits the ABS2K

Have a lift on your truck? We have the perfect attachment to allow you to haul your hay. Just attach the drop hinge to the bale spike and haul all day.



ABS1DH



ABS2DH

ABS1HINGE

Heavy duty hinge with dual spears for trucks up to a 40" bed height.



FAQ:

BALE SPIKES

What is the weight limit of Pierce bale spikes?

Pierce bale spikes have a lifting capacity of 2,500 lbs.

What is the difference between the ABS1K and ABS2K?

The ABS1K installs directly over a gooseneck ball while the ABS2K bolts into the truck bed so you can haul trailers while the spike is mounted. Both units come equipped with removable bale spears.

How are Pierce ABS1K bale spikes installed?

If you choose the ABS1K you must have a gooseneck ball on the back of your bed. Remove your tailgate. Place the bale spike in the bed making sure the square tubing rests over the gooseneck ball and the angle iron frame is against the rear of the truck bed. Tighten the provided collar against the gooseneck ball.

How are Pierce ABS2K bale spikes installed?

Before installing the bolt in spike, remove your tailgate. The crossmember must be bolted to the bed between 33" - 56" from the rear of the bed. Use half inch grade eight bolts to secure the spike to the bed and top frame flange. Slide the provided rectangular tubing through the crossmember collars until the angle iron rests against the rear of the bed. Tighten the bolts to complete the installation.

How long will my bale spike hold up?

With proper maintenance, a 20 year life could be expected. We routinely service Pierce bale spikes manufactured in the early 1980s.

How long is the spike's lift cycle?

Fifteen to 20 seconds is normal.

Where do I mount the pump?

The pump comes installed on the driver's side of the bale spike. We include a pump cover for added protection.

What kind of hydraulic fluid do you recommend using?

We recommend either Dexron or type F automatic transmission fluid. A lightweight hydraulic fluid also works well. We do not recommend using universal tractor fluid in winter weather.

How often should I maintain the pump?

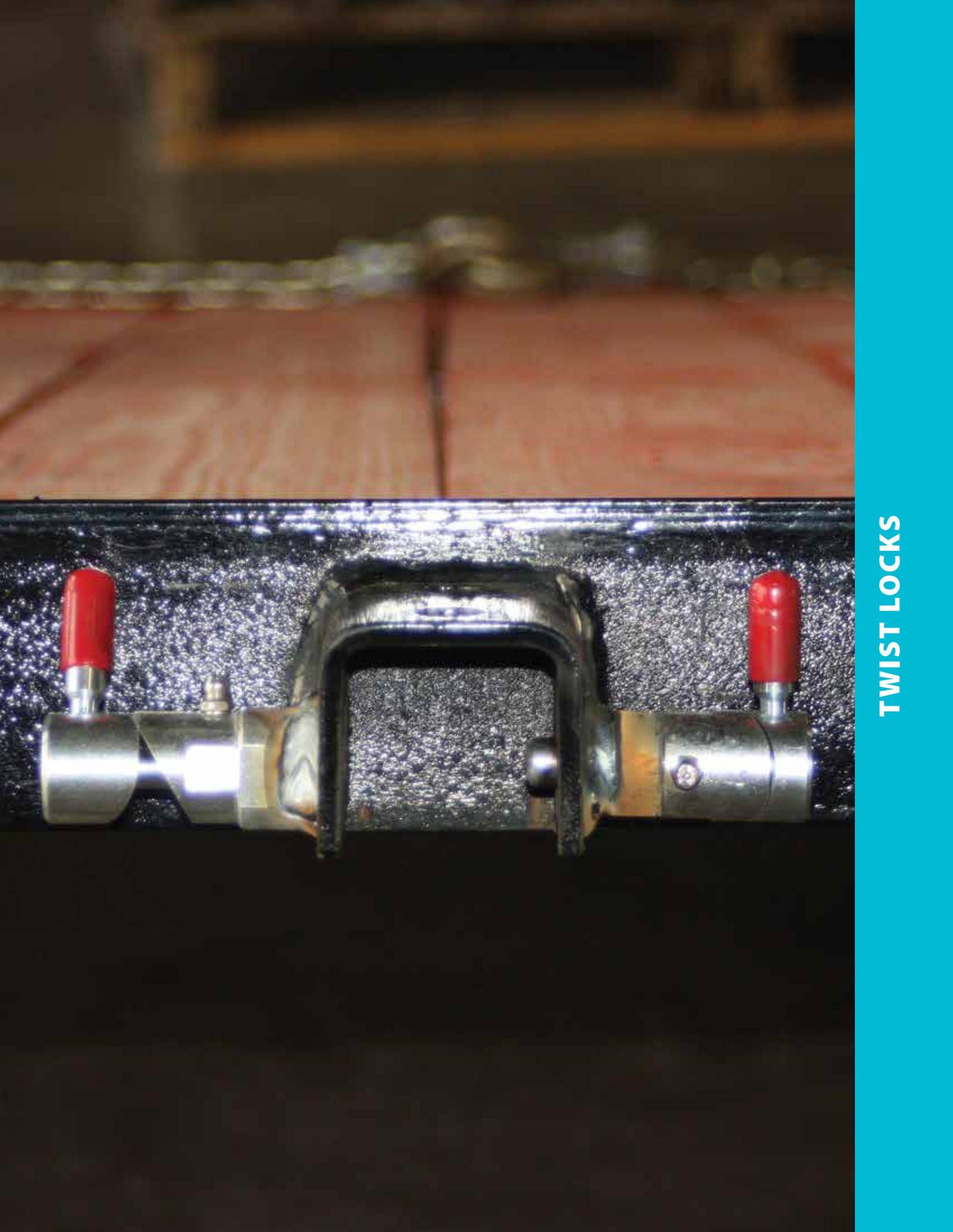
Check the oil and fluid levels every three months. Oil should be changed yearly by removing the tank, cleaning the filter screen, and disconnecting the hydraulic lines. Manually operate the cylinder to expel all fluid. Refill the tank with Dexron or type F automatic transmission fluid.

I've noticed the pump runs slower in winter. What should I do?

In freezing weather, moisture can block the intake screen inside the pump tank. Clean the pump's filters and change the fluid to eliminate crystallization.

Where are Pierce bale spikes made?

Our shop is located in Henrietta, Texas where we assemble, weld and service our bale spikes.



TWIST LOCKS

Get locked into place.

Pierce twist locks are a perfect fit for your next project where latching, locking, and securing are essential. We have two options – weldable or threaded. The welded locks are a permanent locking solution while the threaded version can be removed with a wrench.

To install the locks, just drill the appropriate hole for the latch and then weld the corresponding lock or nut in place.

TWIST LOCKS

WELDED TWIST LOCK

- Rubber Grip
- Protective shoulder
- Grease zerk
- Internal spring-loaded pin
- Welded
- Permanent

P030SN – 1/2"

P032N – 5/8"

P030N – 3/4"

P031N – 1"



THREADED TWIST LOCK

- Rubber Grip
- Protective shoulder
- Grease zerk
- Internal spring-loaded pin
- Removable

P030SNT – 1/2"

P032NT – 5/8"

P030NT – 3/4"

P031NT – 1"



WELDABLE NUT

- Fits threaded twist lock
- Offers space for a wrench for easy tightening
- Sold separately

P030SNUT – 1/2"

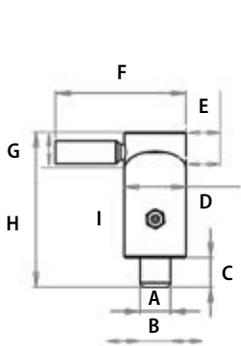
P032NUT – 5/8"

P030NUT – 3/4"

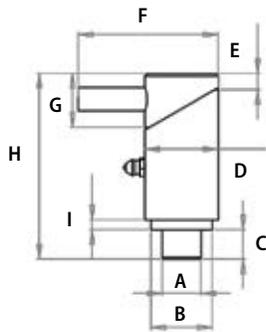
P031NUT – 1"



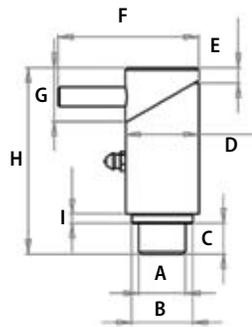
Twist Lock Dimensions



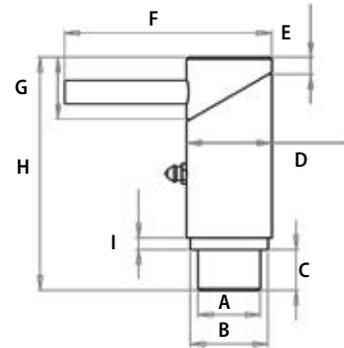
P030SN



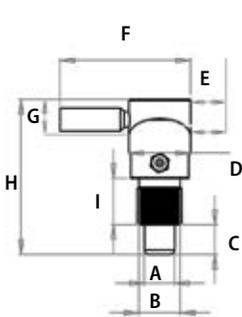
P032N



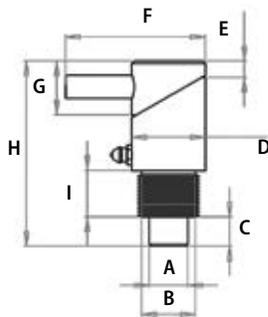
P030N



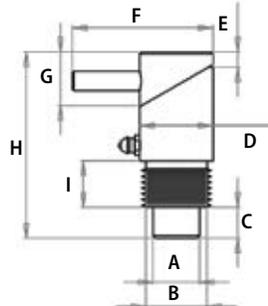
P031N



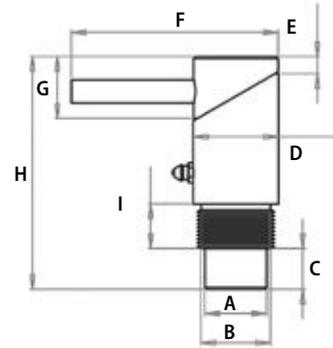
P030SNT



P032NT



P030NT



P031NT

	A	B	C	D	E	F	G	H	I	
WELDED	P030SN	1/2"	21/32"	1/2"	1"	11/32"	2 3/32"	7/8"	2 1/2"	3/4"
	P032N	5/8"	31/32"	1/2"	13/16"	1/4"	2 1/4"	7/8"	3"	5/32"
	P030N	3/4"	31/32"	1/2"	13/16"	1/4"	2 1/4"	7/8"	3"	5/32"
	P031N	1"	1 1/4"	5/8"	1 3/8"	9/32"	3 3/8"	1"	3 3/4"	3/4"
THREADED	P030SNT	1/2"	21/32"	1/2"	1"	11/32"	2 3/32"	7/8"	2 1/2"	N/A
	P032NT	5/8"	7/8"	1/2"	13/16"	1/4"	2 1/4"	7/8"	3"	5/32"
	P030NT	3/4"	31/32"	1/2"	13/16"	1/4"	2 1/4"	7/8"	3"	3/4"
	P031NT	1"	1 1/8"	5/8"	1 3/8"	9/32"	3 3/8"	1"	3 3/4"	3/4"

★★★★★ 5-STAR CUSTOMER REVIEW

“ *A loud siren is needed for today's rancher. Stock pickup horns are no longer adequate and wear out in a few months. The siren (PSO92BE) appears to be durable and works as stated.* ”

~ JOHN, TEXAS • SIREN (PSO92BE)

CATTLE SIRENS



Have you herd? Pierce sirens call in your cattle.

The Pierce siren is the perfect tool for any rancher needing to get their cattle's attention when feeding time comes. Simply blare the horn using a momentary push button switch and the cattle will instinctively learn that it is time to feed. The siren also speeds up feeding times since you can sound the siren when you enter the fence and the cattle hear it from yards away.



STANDARD CATTLE SIREN PCH324

- Operated by a 12V battery and momentary switch

VOLTAGE

- 12 VDC

CURRENT

- 8-25 amps

SENSITIVE

- 105 dB

RUN TIME

- 2 minutes

WARRANTY

- 6 month warranty

HEAVY DUTY CATTLE SIREN PS092BE

- Operated by a 12V battery and momentary switch

VOLTAGE

- 12 VDC

CURRENT

- 8-25 amps

SENSITIVE AT30CM

- 135 dB

RUN TIME

- 10 minutes

WARRANTY

- 2 year warranty

CATTLE SIREN WIRING KIT PCHK

- Wiring kit for all Pierce cattle sirens. Includes 10 feet of 16 gauge 2 conductor PVC insulated wire, 1 push-button switch, ATC®/ATO® fuse holder, ATC®/ATO® fuse, ring and push-on terminals, and butt connectors.

FAQ:

Are the sirens waterproof?

The sirens are not completely waterproof but will stand up to the weather for a long period of time.

How far will the siren's sound travel?

1 - 1.5 miles

Is the installation easy?

It's really easy to install our siren since we have made a cost efficient and simple wiring kit. The part number is PCHK.

★★★★★ 5-STAR CUSTOMER REVIEW

“*The Pierce digital counter keeps a good count. I am very **happy with the product** and would recommend it to any rancher.*”

~ JEFF FITTS • HENRIETTA, TEXAS

DIGITAL COUNTERS



Feed counters - saving you money and time.

The Pierce digital counter is a cost effective solution to help our friends in the cattle industry count the amount of times the trip hopper opens and dispenses feed. Just wire the counter in the cab of the truck, wire the cylindrical or surface mount sensor to the trip hopper and watch the LED screen illuminate the count. The red button allows you to reset the count whenever you like. The sensors must be installed within 5 mm of the trip hopper door and cannot be struck by the metal. The sensors are sensitive and will pick up the metal as a count when it waves past it.



Digital Counter Features

- USA Made
- Digital screen with red LEDs for maximum visibility
- Helps ranchers efficiently count feed to decrease waste
- Eliminates having to count the number of times your feeder dumps
- Easy installation within the truck's cab
- Two different sensor options (cylindrical/surface)
- Cost-effective counting solution
- Universally fits all trip or auger cube feeders



DIGITAL COUNTER BOX

- LED screen: 6-15 VDC; <30 mA; counts up to 9,999
- Dimensions: 4.9" x 2.38" x 2.75"
- Weight: 2.5 lbs.
- Fuse: AGC Type, 20 Amp, 32 VDC Max
- Material: Powder Coated Steel
- Reset Button: 0.25" Push-on terminal; UL listed and CSA certified; SPST Circuit Arrangement: OFF-(ON); Rated 3A/240V AC, 6A/120V AC
- Mount brackets allow the digital counter box to be top-mounted or bottom-mounted



SURFACE MOUNT SENSOR PSDC-SMK

- The surface mount sensor mounts with two screws
- Waterproofing: IP67: water, oil and vibration-proof
- Voltage: 12-24 VDC
- Ampere: 200 mA
- Cord Length: 20' (6.1m)
- Range: 5mm
- Wire: 3 wire (DC, NPN, output)
- Mounting Holes: 2 measuring .15" x .38"
- Temp Rating: -13 - 163°F (-25 - 75°C)



CYLINDRICAL SENSOR PSDC-CK

- The cylindrical sensor is threaded through a 9/16" hole
- Waterproofing: IP67: water, oil and vibration-proof
- Voltage: 12-24 VDC
- Ampere: 200 mA
- Cord Length: 20' (6.1m)
- Range: 5mm
- Wire: 3 wire (DC, NPN, output)
- Diameter for Mounting: 9/16"
- Temp Rating: -13 - 163°F (-25 - 75°C)

★★★★★ 5-STAR CUSTOMER REVIEW

“ Whether its hunting hogs or checking heifers during calving season **the PIERCE spotlight helps me get the job done.** ”

~ ZACH • BLUEGROVE, TEXAS

SPOTLIGHTS



360 degrees of wireless fun.

Using a wireless remote control, turn on the Pierce HID spotlight within 200 feet of your vehicle, rig, ATV or UTV. With a 360 degree rotation and 120 tilt capability, the HID is a great value for outdoorsmen, contractors, landowners and service men and women looking for a reliable spotlight. To operate, just hard mount or use the included magnet to any flat metal surface, plug in the light with to an vehicle lighter and turn on the light with the remote control.

Pierce HID Spotlight Features

- Easy Installation
- Magnetic or Permanent Mounted
- 360° Rotation
- 120° Tilt
- Waterproof IP66
- Wireless
- Two Speeds
- 1 Year Warranty

PX55HB / PX55HW	
LIGHT	H1 HID Xenon
HOURS	3,000
DISTANCE	0.6 - 1.8 miles
CANDLEPOWER	100,000 C.P.
WEIGHT	5.5 lbs.
DIMENSIONS	9" x 8.6" x 7.5"
POWER	12 VDC / 55W
MOUNTING	Magnet or Hard
PLUG	Cigarette Lighter plug with 12' cord
REMOTE	FCC Approved Wireless up to 200 + ft.
OPERATING TEMPERATURE	-40°C - 60°C (-40°F - 140°F)
WATERPROOFING	IP66
WARRANTY	1 year

PX55HB



SPOTLIGHTS

Electrical Parts



QUICK CONNECTS

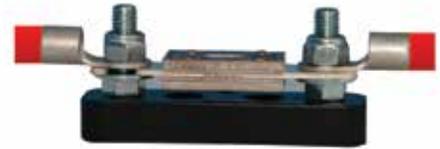
ASTC9036 - 6 gauge
ASTC9034 - 4 gauge
ASTC9032 - 2 gauge

- Quick connects provide a safe power source for portable equipment and booster cables
- Power connections can be added to the front, rear or both ends of most vehicles
- Two quick connects fit together to create a complete connection
- Available in pairs



SAFETY CUTOFF SWITCH PS025

- Up to 1,000 amps in rush
- 180 amps continuous
- 3/8" terminals
- Recommended for winches and pumps
- Protects your equipment from damage due to solenoid sticking or shorting
- Winch warranty may be voided without one



400 AMP FUSE FUS-LINK

- 400 amp fuse
- Install using 1" long 5/16" #10 screws
- Connect one terminal to the battery and one to the solenoid using #4 or #2 gauge wire (*Note: these connections are shown in the photo but are sold separately*)
- Compatible with PS654 electric winches

PARTS



150 AMP BREAKER 76630

- Ideal for hydraulic pumps, switch panels, power distribution panels, tarp gear motors, etc.
- Push-to-trip, manual reset
- Waterproof



BATTERY EYES

PS006 - 5/16"
PS007 - 3/8"

- 4 gauge brazed barrel copper lugs, plated copper stock .0671 thickness
- PS006 is compatible with the PS025
- PS007 is compatible with the FUS-LINK



BUCHER COIL 1019660

- Replacement coil for Bucher pumps



DIODE PECG5814

- Rectifier diode for power up / power down pumps
- 6-amp, 50V, 400 amp surge rating (for 1/2 cycle)

Wiring



WELDING CABLE

#2 Welding Cable **#4 Welding Cable**
PS501X2 - Black **PS501 - Black**
PS501X2R - Red **PS501R - Red**

- 600V supply cable by Essex. Contains 30 gallon strands of class K copper for extra flexibility
- ExCELENE jacket resists oil, burning, abrasion, and cold weather



ECONOMICALLY CONTROLLED

Pierce offers dozens of quality and economical remote options. Choose from the two function wireless system or 2, 4, 6, 8 and 10 function wired remotes. These remotes are used by:

- trailer operators
- ranch hands
- wrecker drivers
- contractors
- hobbyists and more

To view a chart of all the Pierce remotes please turn to page 70.





★★★★★ 5-STAR CUSTOMER REVIEW

“*The two button remote was delivered much sooner than I expected and the quality also **exceeded my expectations**. Thanks for a job well done.*”

~ BRIAN IN KANSAS

★★★★★ 5-STAR CUSTOMER REVIEW

“
Couldn't ask for anything better.
Great Remote! Thank you.
~ JEFF, FLORIDA
”

REMOTES



A new affordable wireless solution

New to the product line is a very durable and affordable wireless remote. We updated the PS105 wireless remote system and outfitted it with the reliability and safety of Lodar. The new Pierce wireless remote control system allows users to switch two functions up to 200 feet away. Control Pierce winches, dump kits, bale spikes or any solenoid-operated equipment. Lodar is a registered ISO9001 and ISO14001 company based in The United Kingdom.

PIERCE WIRELESS SYSTEM PS100

- Two Function Wireless
- Controls 12V solenoid or low amp sources including hydraulic pumps and starters. Use the PS102 for winch and bale spike applications.
- 200 ft. range

CONTENTS

- 1 x Transmitter
- 1 x Receiver with Wiring Harness and Glands
- 1 x Instructions



TRANSMITTER SPECIFICATIONS

SWITCH	Type	Tactile Dome
BATTERY	Type	1 x LR61 battery, giving 9 Volts
CURRENT DRAW	Quiescent	15 micro amps
	Operating	20 milliamps
PROTECTION	IP Rating	55
	Registration Codes	Over 16 million
PERFORMANCE	Temp. Range	-4°F to +131°F (-20°C to +55°C)
	Range Nominal	60 meters (200 ft.) from Receiver, when driving a momentary output without signal drop out
	Transmitted Power	1 mW Typical
COMPLIANCE	EMC	Exceeds ETSI 300 220. Compliant E1110R-037601
	Modulation	FM
	Frequencies	418.00 MHz F1D

RECEIVER SPECIFICATIONS

SWITCH TYPE	Output Switching		MOS Field Transistor (P Channel Power MOSFET)
SUPPLY VOLTS	Nominal		12/24 Volts DC
	Range		8 Volts to 30 Volts DC
AMPS	FET Rating		3 Amps
	System Rating		3 Amps
	Quiescent Current		20 mA on Standby (Not SET)
AERIAL	Overload Protection		5 Amps (Auto Shutdown)
	Internal Antenna		Supplied and fitted
	External Antenna		Optional
OUTPUTS	Functions	2	Supply to Receiver is switched
PERFORMANCE	Simultaneous Outputs	Yes	With horizontal interlocks (programmable)
	Instant TX response	Yes	No perceivable delay
DIAGNOSTICS LED'S		Yes	Power, Status, Fault, Set and all Outputs
PROTECTION	Reverse Polarity	Yes	
	ESR Safety	Yes	See ESR Safety document
	Back EMF	Yes	Diode protected on all outputs
	Registration Codes	Yes	Over 16 million
ENCLOSURE	Weight		0.2 lbs. (222 gms.)
	Lid		Clear PC, to view LEDs
	Base		Black ABS
	Breather		Gortex fitted in base
	Mounting		2 external lugs
	Fixings		5 mm (3/16") (not supplied)
IP Rating			Performs to IP67 standard (0.5 meter water/1 hr.)

ALSO AVAILABLE

PS102 - PIERCE WIRELESS SYSTEM WITH MASTER

Pierce now offers a wireless system for bale spikes and winches. The specifications are the same as the PS100 but a master output has been added to eliminate the need for diodes.

REMOTES: UNIVERSAL

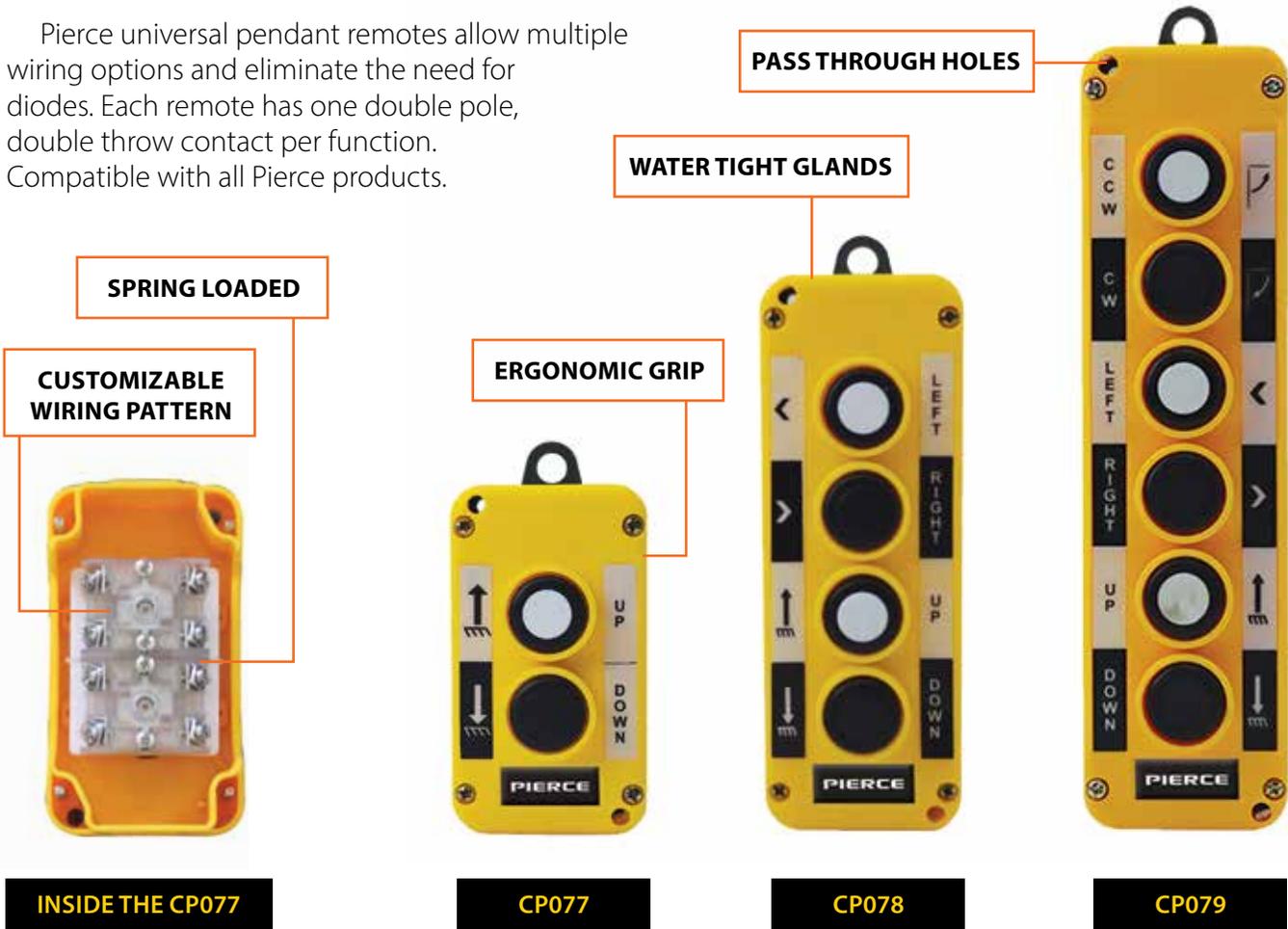


Let Pierce remotes control your environment.

Pierce wired remotes are field tested extensively for durability, reliability, and ease of use. Choose from toggle, momentary push button or 110V rocker switches. Pierce remotes are primarily sold in bulk to OEM markets but can be purchased in smaller quantities for customers looking for a replacement remote. The cord length, plug type and button legends can be modified upon request.

Universal

Pierce universal pendant remotes allow multiple wiring options and eliminate the need for diodes. Each remote has one double pole, double throw contact per function. Compatible with all Pierce products.



INSIDE THE CP077

CP077

CP078

CP079

SPECIFICATIONS

- 15 amp max
- Use 16-18 gauge wire for all connections
- 12V or 24V
- Made of polypropylene
- Double pole, double throw

OPTIONS

- Go to page 70 to see all the wiring and plug options.

TYPE



Momentary

FUNCTIONS



PART NO.	FUNCTIONS	CORD
CP077	2	
CP077K	2	15'
CP078	4	
CP078K	4	15'
CP079	6	
CP079K	6	15'

REMOTES: MOMENTARY



Momentary

Pierce push button remotes come in two to six functions. They are diaphragm sealed and offer momentary functionality. Use on applications with two solenoids or power-up/gravity down pumps.



INSIDE THE CP271

CP271WOC

PS078

PS079

SPECIFICATIONS

- 5 amp max
- 250 VAC
- Water resistant
- Use 18 gauge wire for all connections
- 12V or 24V
- Momentary switch

OPTIONS

- Go to page 70 to see all the wiring and plug options.

TYPE



Momentary

FUNCTIONS



OPTIONS



4 prong plug



Terminals



6-way wire



7-way wire

PART NO.	FUNCTIONS	PLUG TYPE/TERMINALS	CORD
CP271WOC	2		
CP271, vulcanized	2		15'
CP271MTE	2		15'
CP271MTEMP, steel plug	2		15'
PS078	4		
PS078K	4		15'
PS079	6		
PS079K	6		15'

REMOTES: TOGGLE SWITCH



Toggle Switch

Our most popular remote on the market, the Pierce toggle switch remote, offers spring-to-center momentary switching. We've sold thousands of these to end users and original equipment manufacturers. Whether you are operating a pump or winch, the toggle switch series is a reliable and cost effective fit.



SPECIFICATIONS

- Use 18 gauge wire for all connections
- 12V or 24V
- 15 amp max

OPTIONS

- Go to page 70 to see all the wiring and plug options.

TYPE



Toggle Switch

FUNCTIONS

2

OPTIONS



3 prong plug



4 prong plug



Terminals

PART NO.	PLUG TYPE/TERMINALS	CORD
P040		15'
P040N		15'
P040-NP		15'
PS537L		
P040-20		20'
P040BS		15'
P040BS10		10'
P040BS25		25'

REMOTES: ROCKER SWITCH



Toggle and Rocker Switch



**10 FUNCTION
WRECKER REMOTE
RC12AW**

- Use this ten function toggle switch remote with ten way pumps. Spring to center. Includes 15' cord but no plug for hard wiring. Includes a master output. Replacement remote for Dynamic wheel lifts with a winch.

COMPATIBLE PRODUCTS

- Ten Way Pumps
- Dynamic Wheel Lifts with a winch (701BDW)



**8 FUNCTION
WRECKER REMOTE
RC12A**

- This wheel lift remote control comes with four toggle switches for eight functions. Functions include movement of the boom, jaws, folding and extending.

COMPATIBLE PRODUCTS

- Dynamic Wrecker without a winch



**6 FUNCTION
WRECKER REMOTE
P0406**

- Use this six function toggle switch remote with six way pumps. Spring to center. Includes 15' cord but no plug for hard wiring. Comes standard on Magnum wheel lifts.

COMPATIBLE PRODUCTS

- Six Way Pumps
- Magnum III Wheel Lifts
- Minute Man

SWITCH



PS525

- Replacement switch for most toggle switch style winch remote controls including the Pierce P040, with momentary On/Off/On circuitry.
- Three 1/4" quick connect blade terminals
- 11/16" chrome handle
- 12V, 25 amp
- Single pole-double throw function

PLUGS



P215M

- 12-24 Volts
- 20 amp, polarized
- Chrome die cast ABS plastic high impact green insulators



P215F

- 12-24 Volts
- 20 amp, polarized
- Chrome die cast ABS plastic high impact green insulators
- Split brass conducts with a spring-loaded steel cover

Pierce Remote Comparison Chart

LEGEND



Momentary



Toggle Switch



4 prong plug



3 prong plug



6-way wire



7-way wire



Terminals

Part No.	Switch Type	Color	Functions	Cord	Plug Type	Compatibility
CP077		Yellow	2			Universal
CP077K		Yellow	2	15'		Universal
CP078		Yellow	4			Universal
CP078K		Yellow	4	15'		Universal
CP079		Yellow	6			Universal
CP079K		Yellow	6	15'		Universal
CP271WOC		Orange	2			Winch / Hydraulic Pumps
CP271		Orange	2	15'		"
CP271MTE		Orange	2	15'		"
CP271MTEMP		Orange	2	15'		"
PS078		Orange	4			"
PS078K		Orange	4	15'		"
PS079		Orange	6			"
PS079K		Orange	6	15'		"
P040		Black	2	15'		PS654 Winches
P040N		Black	2	15'		PS Series Winches
P040-NP		Black	2	15'		Winch / Hydraulic Pumps
PS537L		Black	2			"
P040-20		Black	2	20'		"
P040BS		Black	2	15'		"
P040BS10		Black	2	10'		"
P040BS25		Black	2	25'		"
P0406		Black	6	15'		Wrecker
RC12A		Grey	8	20'		Wrecker
RC12AW		Grey	10	15'		Wrecker
P003NS	Intermittent	Grey	2			PS654-EK Winches
P003NSC	Continuous	Grey	2			"

REMOTES: WIRED

PIERCE

PULLING FOR YOU

NEW PRODUCTS!

**PIERCE HYDRAULIC
PSHV20000 WINCH**



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**PIERCE SPOTLIGHT
PX55HB / PX55HW**



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**PIERCE WIRELESS REMOTE
PS100 SYSTEM**



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