

# CHALLENGER

## POST POUNDERS

**400 ATTACHMENT SERIES**

**500 ATTACHMENT SERIES**

**800E SERIES**

**800L SERIES**

**1000 SERIES**

**1200 SERIES**

**1400 SERIES**



# CHALLENGER

## POST POUNDER RANGE

GROUNDWORK manufactures and supplies a range of **Challenger** series post pounders/pile drivers. There are six different models available:

### 400 AND 500 ATTACHMENT SERIES:

The **400** and **500** series can be attached to a skid steer, excavator or a loader. These two models are easy to operate and can be easily transported.

### 800E / 800L / 1000 / 1200 SERIES:

The **Challenger 800E / 800L / 1000 / 1200** are specially designed for road safety barrier work. These models can also handle wooden and Solar pile installation with unbelievable ease.

**Challenger 800E** installs piles of up to 2.9m (10') (Guardrail/Solar)

**Challenger 800L** installs piles of up to 3.5m (11.5') (Guardrail/Solar)

**Challenger 1000** installs spiles of up to 4.6m (15') (Solar)

**Challenger 1200** installs piles of up to 6m (19') (Solar)

The **Challenger Series** are manufactured to the highest possible standards and comes with a 12-month warranty, making these the best choice for the grueling demands of guard railing and solar work.



# CHALLENGER 400 (3500mm MAST) PILE DRIVER ATTACHMENT



## SPECIFICATIONS

Weight (kg):	1500
Drive Force (joules):	950
Height under Hammer (mm):	3500 mm with machine on the ground
Hydraulic Requirements:	50-100L/min oil flow at 120 bar (1740 PSI)

## MACHINE MOUNTING REQUIREMENTS

Minimum Weight: Skid Steer Loader <4500kg (10,000lbs)

### Optional Attachments:

- DTH Hammer up to 250mm
- Auger Drills up to 350mm
- Screw Pile Drive 7000 NM

# CHALLENGER 500 (4700mm MAST) PILE DRIVER ATTACHMENT



## SPECIFICATIONS

Weight (kg):	1700
Drive Force (joules):	1060
Height under Hammer (mm):	4700 mm (15'4") with machine on the ground
Hydraulic Requirements:	50-100L/min oil flow at 120 bar (1740 PSI)

## MACHINE MOUNTING REQUIREMENTS

Minimum Weight: Skid Steer Loader <4500kg (10,000lbs)

### Optional Attachments:

- DTH Hammer up to 250mm (10")
- Auger Drills up to 450mm (18")
- Screw Pile Drive 5000 NM



# CHALLENGER 800E (2900mm MAST)

## PILE DRIVER



## SPECIFICATIONS

Engine:	Yanmar 4TNV88 48HP, Water Cooled (Tier4)
Maximum post height:	2.9m (10')
Hydraulic hammer:	weight 440–620 kg (970–1367lb) to 1500 beats/min – 900/950joules
Hydrostatic System with cast iron pump & flow rate:	120L (31.7 gal)/min @190 bar
Hydraulic oil tank capacity:	200L (52.8 gal) and level indicator
Diesel oil tank capacity:	100L (26.4 gal)
Column inclination both transverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	700mm (2.3')
Lateral column movement:	+/- 280mm (11")
Maximum post dimension:	160 x 120mm (6.3" x 4.7")
Transport dimensions:	2m x 2.28 x 2.28m (height) (6.5' x 7.5' x 7.5')
Weight:	2.95 tonne (3.25 ton)

# CHALLENGER 800L (3500mm MAST)

## PILE DRIVER



## SPECIFICATIONS

Engine:	Yanmar 4TNV88 48HP, Water Cooled (Tier 4)
Maximum post height:	3.5m (11.5')
Hydraulic hammer:	weight 440–620 kg (970–1367lb) to 1500 beats/min – 900/950joules
Hydrostatic System with cast iron pump & flow rate:	120L (31.7 gal)/min @190 bar
Hydraulic oil tank capacity:	200L (52.8 gal) and level indicator
Diesel oil tank capacity:	100L (26.4 gal)
Column inclination both transverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	700mm (2.3')
Lateral column movement:	+/- 280mm (11")
Maximum post dimension:	160 x 120mm (6.3" x 4.7")
Transport dimensions:	2m x 2.28 x 2.28m (height) (6.5' x 7.5' x 7.5')
Weight:	2.95 tonne (3.25 ton)

# CHALLENGER 1000 (4600mm MAST)

## PILE DRIVER



## SPECIFICATIONS

Engine:	Yanmar 4TNV88 48HP, Water Cooled (Tier 4)
Maximum post height:	4.5m (14'76") - Options - Single or 2 Stage Telescopic Mast
Hydraulic hammer:	weight 550 - 570kg, (1212-1256lb) to 1180 beats/min - 1260 joules
Hydrostatic System with cast iron pump & flow rate:	120L (31.7 gal)/min @190 bar
Hydraulic oil tank capacity:	200L (52.8 gal) and level indicator
Diesel oil tank capacity:	100L (26.4 gal)
Column inclination both transverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	800mm (31.5")
Lateral column movement:	+/- 280mm (11")
Maximum post dimension:	160 x 120mm (6.3" x 4.7")
Transport dimensions:	2.5m x 2.28 x 2.28m (height) (8.2' x 7.5' x 7.5')
Weight:	4.3 tonne(4.7 ton)
Travel Speed:	2.0 kmph (two speed) on level one and 3.4 kmph on high speed

# CHALLENGER 1200 (6000mm MAST)

## PILE DRIVER



## SPECIFICATIONS

Engine:	Yanmar 4TNV88 48HP, Water Cooled (Tier 4)
Maximum post height:	6m (20') - 3 Stage Telescopic Mast
Hydraulic hammer:	weight 750 kg, (1653lb) 1450 joules
Hydrostatic System with cast iron pump & flow rate:	120L (31.7 gal)/min @190 bar
Hydraulic oil tank capacity:	200L (52.8 gal) and level indicator
Diesel oil tank capacity:	100L (26.4 gal)
Column inclination both transverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	800mm (31.5")
Lateral column movement:	+/- 280mm (11")
Maximum post dimension:	160 x 120mm (6.3" x 4.7")
Transport dimensions:	2.9 m x 2.3m x 2.4m
Weight:	5.8 ton
Travel Speed:	2.0 kmph (two speed) on level one and 3.4 kmph on high speed



# CHALLENGER GUARDRAIL OPTIONS

GPS Solutions - Manual, and Semi Autonomous

DTH Hammer up to 250mm (10")

Guardrail Install Unit

Post Extractor

Converter Core Drills

Remote Control

# CHALLENGER SOLAR OPTIONS

GPS Solutions - Manual, Semi Autonomous and Fully Autonomous

DTH Hammer up to 250mm (10")

Post Extractor

Converter Core Drills

Remote Control

# CHALLENGER 1400 (8100mm MAST)

## PILE DRIVER



## SPECIFICATIONS

Engine:	55 kW Perkins Diesel
	Tier 4 Final water-cooled engine
Maximum post height:	8.1m (26'5") - Single Mast
Column Rotation:	360°
Hydraulic hammer:	weight 750 kg, (1653lb) 1500 joules
Hydrostatic System with cast iron pump & flow rate:	120L (31.7 gal)/min @190 bar
Hydraulic oil tank capacity:	200L (52.8 gal) and level indicator
Diesel oil tank capacity:	100L (26.4 gal)
Column inclination both transverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	800mm (31.5")
Lateral column movement:	+/- 280mm (11")
Maximum post dimension:	160 x 120mm (6.3" x 4.7")
Transport dimensions:	2.9 m x 2.3m x 2.4m
Weight:	6.5 tonne (14330 pounds)
Travel Speed:	2.0 kmph (two speed) on level one and 3.4 kmph on high speed
Hydraulic Stabilising Legs	