

Manufacturer:
SPA Landscaping Ltd

Issue : 1
Valid From : 10-11-2015

Easy Petrol Post Driver

Product Description

Vibrating post driver powered by 4 stroke Honda engine. With different attachments suitable for different diameter fence posts.

Product Image



Scope of Acceptance

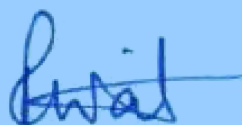
Full Acceptance

Deployment for railway boundary fences requiring repairs, and boundary protection measures prone to animal or human incursion. This product is approved for use on the Network Rail controlled infrastructure, within the controls and limitations defined on this certificate and in any associated documentation.

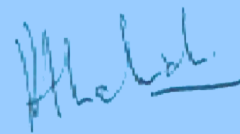
Note: This machine emits vibration magnitudes above 5m/s².

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Authorised by:



Rebecca Wait
Product Acceptance Co-ordinator



Rashid Wahidi CEng.
Professional Head of Plant, Traction And Rolling Stock.

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section.

Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

- 1) See General Terms and Conditions

User

- 1) This machine must only be used by authorized personnel in accordance with mandatory rules and regulations, equipment operating instructions, and the operators declared safe system of work for ALL operational circumstances on Network Rail infrastructure.
- 2) Machine Operator(s) shall ensure that equipment is maintained in accordance with equipment manufacturers recommendations.
- 3) Equipment Operator(s) shall ensure that all staff required to use the equipment are suitably trained.
- 4) Appropriate PPE must be worn at all times whilst the equipment is being operated.
- 5) Ear defenders are to be worn by all staff in accordance with equipment manufacturer recommendations.
- 6) Machine Operator shall comply with Network Rail standard NR/L2/TRK/05100 - management of fencing and other boundary measures.
- 7) Machine Operators shall ensure that before installing any new fencing posts, they comply with the following Network Rail standards.
 - NR/L3/MTC/RCS0216/GA08 - Ground Penetration and Excavations.
 - NR/L3/MTC/RCS0216/SP05 - Use of Cable Avoidance Tool (C.A.T.).
 - Permit to dig form SMF/SE/0205.
- 8) Product shall be used in accordance with appropriate Network Rail Track Work Instruction references - TWI 2L004, TWI 2L003, TWI 3L005, TWI 3L005, and TWI 3L006.
- 9) **HAV Figures.**
75mm Fence Post – CHPD78
 Average result is **10.50m/s²** which equates to tool usage:
 To EAV 2.5m/s² = 27 minutes = 100 points.
 To ELV 5m/s² = 109 minutes = 400 points.
100mm Fence Post – CHPD78
 Average result is **9.24m/s²** which equates to tool usage:
 To EAV 2.5m/s² = 35 minutes = 100 points.
 To ELV 5m/s² = 141 minutes = 400 points.
- 10) **Machine Weight.**
Weight: Wet 16.0kg.
- 11) **Noise:**
Metal Post: 110 dB.
Wooden Post: 100 dB.
- 12) **Limitation Applies.**
This product shall not be used inside tunnels or areas with poor ventilation, where petrol products would be considered hazardous.

Warning: This product emits vibration values above 5m/s². In all circumstance where Exposure Action Values (EAV) are likely to be exceeded the works planner and operator must determine the method for managing Hand Arm Vibration exposure in accordance with HSE guidelines and Industry group standard GM/GN2460 Guidance on Compliance with Noise and Vibration Legislation in the Railway industry.

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Product Configuration

System or Complete Assembly

Part No.	Description	Catalogue No.
CHPD78	Easy Petrol Post Driver	094/013972

Hardware (Maintenance Spares and Line Replaceable Units)

SPA Product Code.	Item Number	Part No.	Description
GX35T	1	GX35	HONDA MOTOR
19611-ZOZ-000	1A	19611-ZOZ-000	HONDA FAN COVER
19720-ZOZ-000ZA		19720-ZOZ-000ZA	HONDA COMP COVER TOP *R280*
17850VL1741	2	17850VL1741	THROTTLE LEVER ASSEMBLY-SWITCH
CEPD BS222 OR37.7-3.53V	3	CEPD BS222 OR37.7-3.53V	VITON O RING
CEPD BS326 OR40.65-5.34	4	CEPD BS326 OR40.65-5.34	DAMPER O RING
CEPD 6000-2RS	5	CEPD 6000-2RS	DEEP GROOVE BALL BEARINGS
CEPD 6004-2RS	6	CEPD 6004-2RS	DEEP GROOVE BALL BEARINGS
CEPD 6201-2RS	7	CEPD 6201-2RS	DEEP GROOVE BALL BEARINGS
CEPD 20	8	CEPD 20	HAMMER GUIDE
CEPD 22	9	CEPD 22	DAMPER WASHER
CEPD 24-1	10	CEPD 24-1	STEEL CYLINDER LINER
CEPD 27	11	CEPD 27	TOP HAMMER
CEPD 30	12	CEPD 30	PISTON
CEPD 31	13	CEPD 31	CONNECTING ROD 01
CEPD 31-A	14	CEPD 31-A	GUDGEON PIN 12 x 40
CEPD 37	15	CEPD 37	COVER PLATE
CEPD 38	16	CEPD 38	CRANK SHAFT
CEPD 38	17	CEPD 38	PIN CRANK PIN LH S1214
CEPD 54-58	18	CEPD 54-58	58T DRIVEN GEAR
CEPD 60-13	19	CEPD 60-13	CLUTCH DRUM
CEPD 67-1	20	CEPD 67-1	CAST CLUTCH HOUSING
CEPD 920	21	CEPD 920	HANDLE MOUNT TOP BRACKET
CEPD 921	22	CEPD 921	SPRING
CEPD 921-A	23	CEPD 921-A	HANDLE RUBBER
CEPD 922	24	CEPD 922	HANDLEBAR
CEPD 924	25	CEPD 924	CRANK HOUSING
CEPD CC 20x1.20	26	CEPD CC 20x1.20	EXTERNAL CIRCLIP
CEPD CC 42x1.75	27	CEPD CC 42x1.75	INTERNAL CIRCLIP
CEPD A4x4x12	28	CEPD A4x4x12	PARALLEL KEY
CEPD 925	29	CEPD 925	CAST BOTTOM HOUSING
CEPD BS220 OR44.05-3.53V	30	CEPD BS220 OR44.05-3.53V	O RING
CEPD 936	31	CEPD 936	HAMMER HOUSING (CEPD 78)
CEPD 937	32	CEPD 937	3rd HAMMER (CEPD 78)
CEPD 931	33	CEPD 931	BOTTOM GUIDE TUBE (CEPD 78)
CEPD 938	34	CEPD 938	FLANGED ADAPTER (CEPD 78)
CEPD 930	35	CEPD 930	REDUCER 78-52 mm
CEPD GUARD	36	CEPD GUARD	CEPD GUARD
CEPD SPACER 8x5x10	37	CEPD SPACER 8x5x10	CEPD SPACER 8x5x10

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Issue : 1
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SPA Product Code.	Item Number	Part No.	Description
CEPD SPACER 8x5x14	38	CEPD SPACER 8x5x14	CEPD SPACER 8x5x14
CEPD BS334 OR62.87-5.34	39	CEPD BS334 OR62.87-5.34	REDUCER O RING
CEPD M816 SHCS	40	CEPD M816 SHCS	M8 x 16 SHCS BOLT
CEPD M410 SHCS	41	CEPD M410 SHCS	M4 x 10 SHCS BOLT
CEPD M530 SHCS	42	CEPD M530 SHCS	M5 x 30 SHCS BOLT
CEPD M880 SHCS	43	CEPD M880 SHCS	M8 x 80 SHCS BOLT
EPD M525 SHCS	44	EPD M525 SHCS	M5 x 25 SHCS BOLT
CEPD M516 BHCS	45	CEPD M516 BHCS	M5 x 16 BHCS BOLT
CEPD M5 HEX NUT	46	CEPD M5 HEX NUT	M5 HEX NUT
CEPD M520 SHCS	47	CEPD M520 SHCS	M5 x 20 SHCS BOLT
CEPD M630 SHCS	48	CEPD M630 SHCS	M6 x 30 SHCS BOLT
CEPD PIN 8x36	49	CEPD PIN 8x36	PIN 8 x 36
CEPD BS040 OR72.75-1.78	50	CEPD BS040 OR72.75-1.78	O RING COVER PLATE
CEPD BS035 OR56.87-1.78	51	CEPD BS035 OR56.87-1.78	O RING BODY
107ALU	NA	NA	107mm ALUMINIUM MAGNUM ADAPTOR
107STEEL	NA	NA	107mm STEEL MAGNUM ADAPTOR
90STEEL	NA	NA	90mm STEEL ADAPTOR
80ALU	NA	NA	80mm ALUMINIUM MAGNUM ADAPTOR
80STEEL	NA	NA	80mm STEEL ADAPTOR
78ACETAL	NA	NA	78mm ACETAL ADAPTER (to fit 107mm MAGNUM)
78ALU	NA	NA	78mm ALUMINIUM REDUCING ADAPTER
52ALU	NA	NA	52mm ALUMINIUM REDUCING ADAPTOR
55NYLON	NA	NA	55mm NYLON SLEEVE ADAPTOR
75SQUARE	NA	NA	75 x 75mm SQUARE STEEL ADAPTER
80SQUARE	NA	NA	80 x 80mm SQUARE STEEL ADAPTER
NYL-CUSTOM	NA	NA	NYLON CUSTOM ADAPTER
STE-CUSTOM	NA	NA	STEEL CUSTOM ADAPTER
CEPD 931	NA	33	BOTTOM GUIDE TUBE (CEPD 78)
STEELBAR	NA	NA	STEEL BAR 9.4mmx204mm
TOUGHBOX	NA	NA	TOUGH BOX
MULTI-EPPD	NA	NA	MULTI ADAPTER - 4", 3", 2"
CROWBAR32	NA	NA	32mm CROWBAR 60" SINGLE POINT
FUELFRIEND1L	NA	NA	FUELFRIEND PLUS 1.0L HD-PE RED 815310
LONGHANDLE	NA	NA	LONG HANDLE

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
SPA Landscaping Ltd Doc	Hand-Arm vibration test results	7.3 A	01/01/2014	1

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Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
SPA Landscaping Ltd Doc	Hand-Arm vibration assessment timings	1	04/12/2014	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver ergonomic assessment – CHPD78	1	01/08/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver intellectual property rights statement –Christie Engineering Pty Ltd.	1	01/03/2014	1
Christie Engineering	EC Declaration of Conformity	1	13/10/2011	1
SPA Landscaping Ltd Doc	Task Assessment –Machinery operation	1	31/01/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver risk assessment & buried services assessment document reference statement	1	01/08/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver proposed application on the railway statement.	1	01/08/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver warranty customer & supplier documentation.	1	01/03/2014	1
Christie Engineering	Post Driver occupational health & safety plant safety risk assessment report.	110525	25/05/2011	1
Christie Engineering	Certificate of conformity for machine safety	110525	25/05/2011	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver corrective action & product recall.	1	01/03/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver orderable parts, adapters, and accessories lists.	1	01/08/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver design changes or modification statement.	1	01/08/2015	1

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
Christie Engineering	Easy Petrol Post Driver safety, operating & maintenance instructions manual.	01	01/08/2015	1
SPA Landscaping Ltd Doc	Easy Petrol Post Driver training and user guide	01	01/08/2015	1

Certificate History

Issue	Date	Issue History
1	10/11/2015	First accepted for use

Contact Details

Manufacturer

Easy Petrol Post Driver
(SPA Landscaping Ltd)
Simon Anthony
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Applicant

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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Acceptance Requirements and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement 2011, where the specification and/or Product Acceptance Certificates specify quality assurance classifications (QA1 to QA5) for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations

2) As required in Railway Group Standard GE/RT8270, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.

4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail Regulation) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.

2) Products may be purchased by Network Rail or its agents, suppliers or contractors.

3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.