LANFe24

Position and fix powered gates and barriers

Overview

This standard describes how to position and fix powered gates and barriers. It covers the full range of powered gates (swinging and sliding) and barriers used in the fencing industry. The installer should follow the approved manufacturers course for the type of powered gate they are intending to install. The standard covers the installation of powered gates and barriers to posts, in accordance with specifications. NB The standard does not cover the electrical work required for automated gates and barriers, which should only be completed by a competent and qualified electrician. This standard is suitable for fence installers.

Performance criteria

You must be able to:

1. carry out work in accordance with relevant environmental and health and safety legislation, risk assessment requirements and company policies and procedures
2. wear suitable clothing and personal protective equipment (PPE)
3. carry out all work in accordance with instructions and specifications
4. select and prepare the required tools and equipment
5. check to confirm that a safe working environment has been established
6. obtain powered gate or barrier components of the specified type, material, quality and grade
7. use industry-recommended working practices to prepare and assemble gate or barrier components to meet specifications
8. use industry-recommended working practices to position and fix powered gates or barriers securely
9. attach the power mechanism to the gate or barrier as per specifications
10. attach sensors and controllers as per specifications
11. confirm that the gate or barrier is properly aligned and levelled
12. check that the gate opens, closes and fastens correctly and make adjustments where required
13. confirm that the safety features on the gate or barrier are

working

correctly and in line with specifications

14. confirm that the customer is fully trained and aware of the gate or

barrier operation, safety features and maintenance requirements

15. commission the powered gate or barrier in line with requirements

16. maintain the integrity of the protective finishes during fixing

17. use, maintain and store tools and equipment safely and in a clean

and serviceable condition

18. dispose of waste and excess materials safely to minimise

environmental risk, in accordance with the relevant legal

requirements

19. carry out your work in a manner that causes minimal impact to the

surrounding area, other users of the site and anyone else who

may be affected

Knowledge and understanding

You need to know and understand:

1. the environmental and health and safety requirements associated

with preparing, positioning and fixing powered gates and barriers

2. the hazards and risks involved in the installation of powered gates

and barriers, paying attention to pinch points and entrapment

3. the type of clothing and personal protective equipment (PPE)

suitable for the task

4. the requirements and procedures for gaining access to the work

site

5. the specific requirements for permit-to-work schemes

6. the types of signs and protective barriers used by the fencing

industry

7. the reasons for traffic management when working adjacent to

highways and other transport systems

8. where to obtain the instructions and specifications required to

carry out the work

9. the types of tools and equipment used for positioning and fixing

powered gates or barriers, and how to prepare, use and maintain

these safely and correctly

10. the relevant legal requirements for the use of powered tools and

equipment

11. the components required for the type of powered gate or barrier

you are installing and their purpose

12. the methods used for assembling gate or barrier components

13. how to identify and assess the weight and centre of balance of gates or barriers

14. the methods used for fixing powered gates or barriers to posts

15. the methods used for aligning gates and barriers so that they open, close and fasten correctly

16. the requirements for safety features on powered gates and barriers

17. the checks to carry out to confirm that the safety features are working correctly

18. the commissioning process for a powered gate or barrier

19. the hand over process to the customer

20. how to take a powered gate or barrier out of service if it is dangerous

21. the different types of protective finishes, why they are used and

the methods of maintaining their integrity during fixing

22. how to deal with any difficulties arising during the project within

the limits of your responsibility

23. the relevant legal requirements controlling the disposal of waste

and excess materials

24. the storage requirements for tools and equipment

25. how to minimise the impact of your work on the surrounding area,

other users of the site and anyone else who may be affected

Glossary

Gate or barrier components could include:

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gate
barrier
braces
hinges
latches
bolts
controllers
power mechanisms
sensors
safety features
Specifications could include:

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Links to other NOS

plans/drawings

schedules

method statements

Standard Operating Procedures (SOPs)

manufacturers guidelines

customer requirements

quality standards e.g. BSI, CE

LANFe23 Position and fix manual gates and barriers

LANFe24

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