



National
Qualifications
2025

X835/77/11

Graphic Communication Supplementary sheets

WEDNESDAY, 30 APRIL

1:00 PM – 3:30 PM

Supplementary sheet 1 for use with question 1, supplementary sheets 2 and 3 for use with question 3 and supplementary sheet 4 for use with question 5.



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REGISTER / LOGIN

CUSTOMER SUPPORT

CYCLECTRIC

ROAD

GRAVEL

COMMUTER

MOUNTAIN

CROSS

ALU minium SL

CAR bon SL

TI tanium SL

FIND OUT MORE

OUR APPROACH TO SUSTAINABILITY

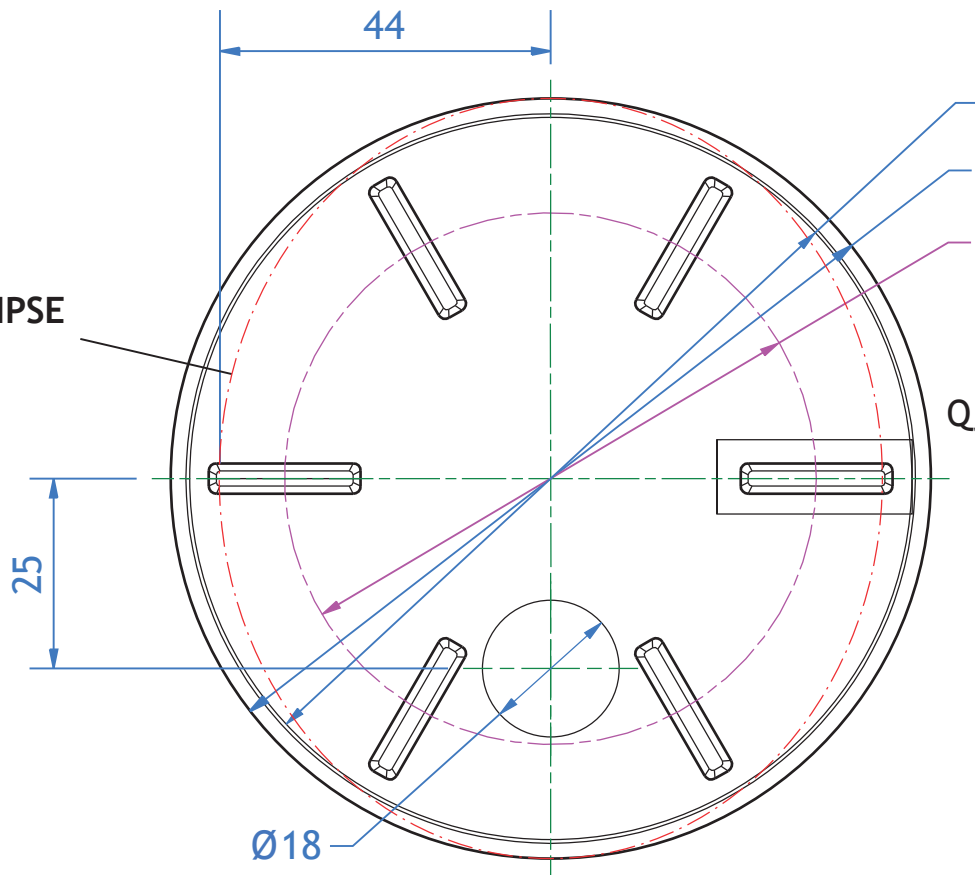
OUR TECHNOLOGY

OUR ACCESSORY RANGE

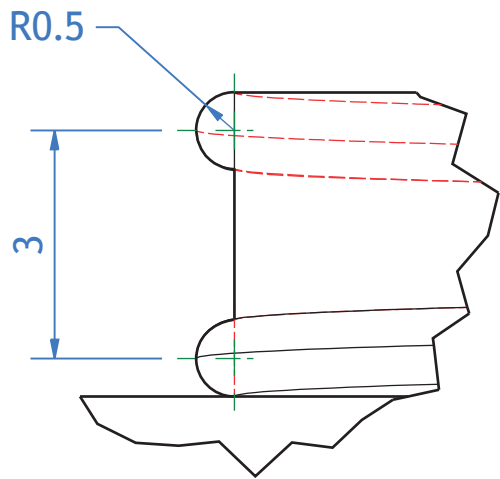
<

COMPONENT A

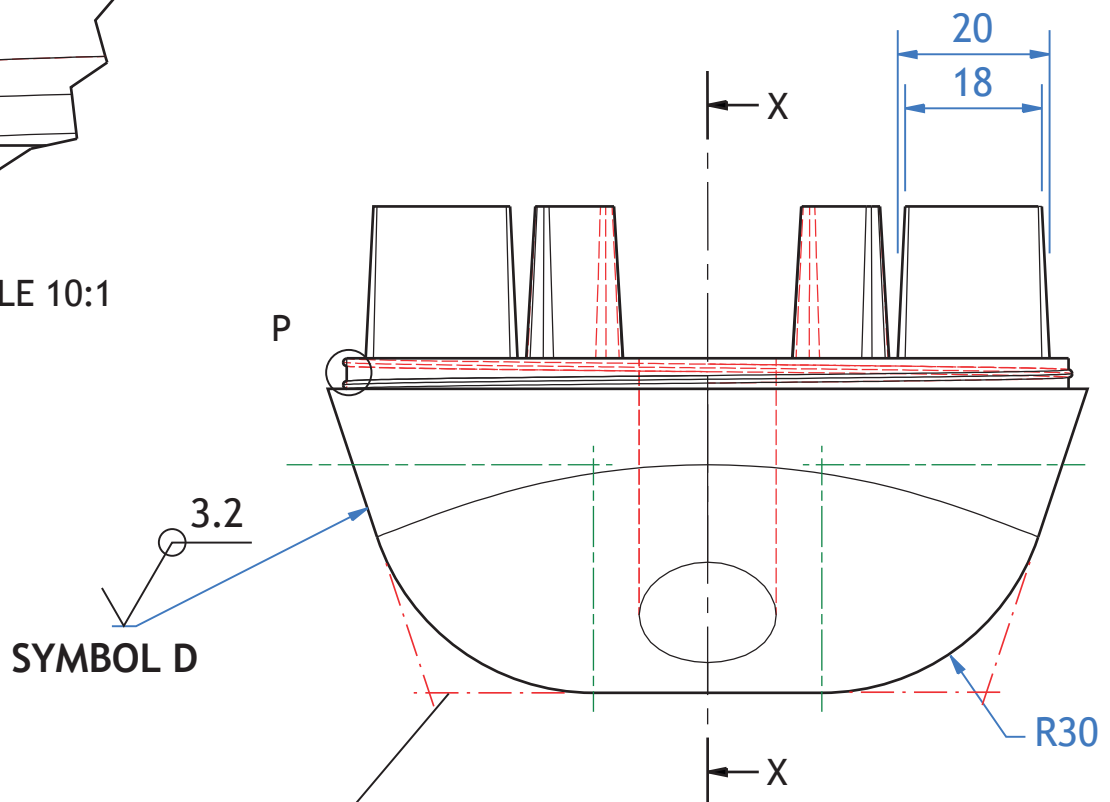
POSITION of ELLIPSE
PROFILE SKETCH



PLAN



ENLARGED VIEW P SCALE 10:1

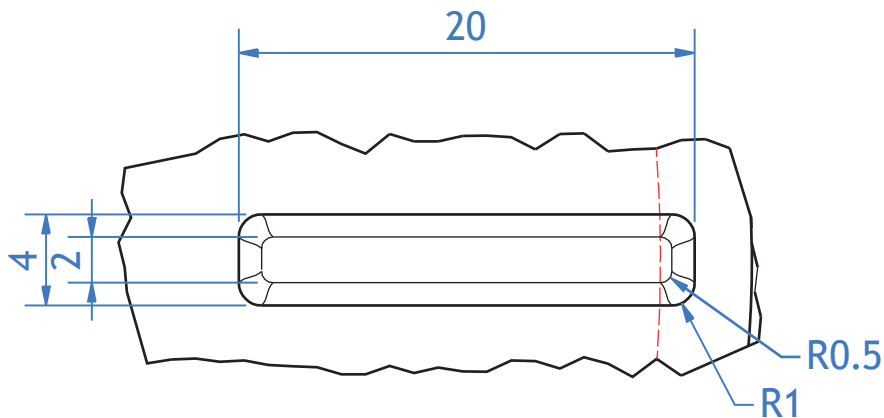


ELEVATION

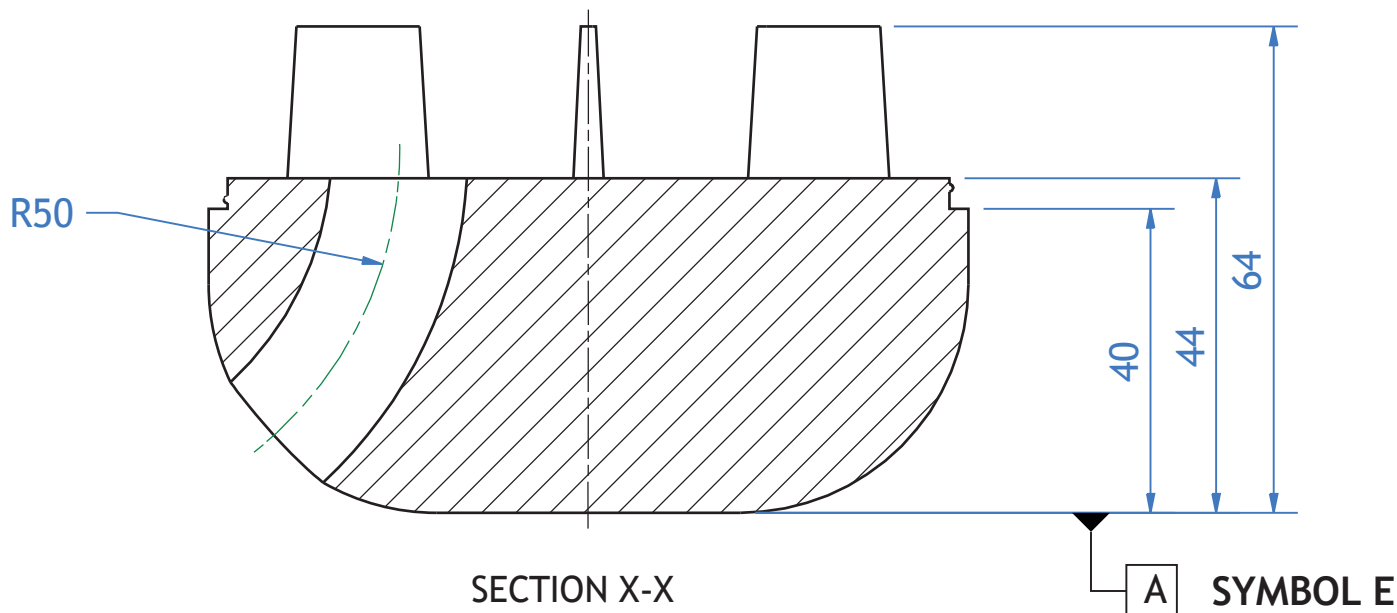
POSITION of ELLIPSE
PROFILE SKETCH

SYMBOL D

TOLERANCE G

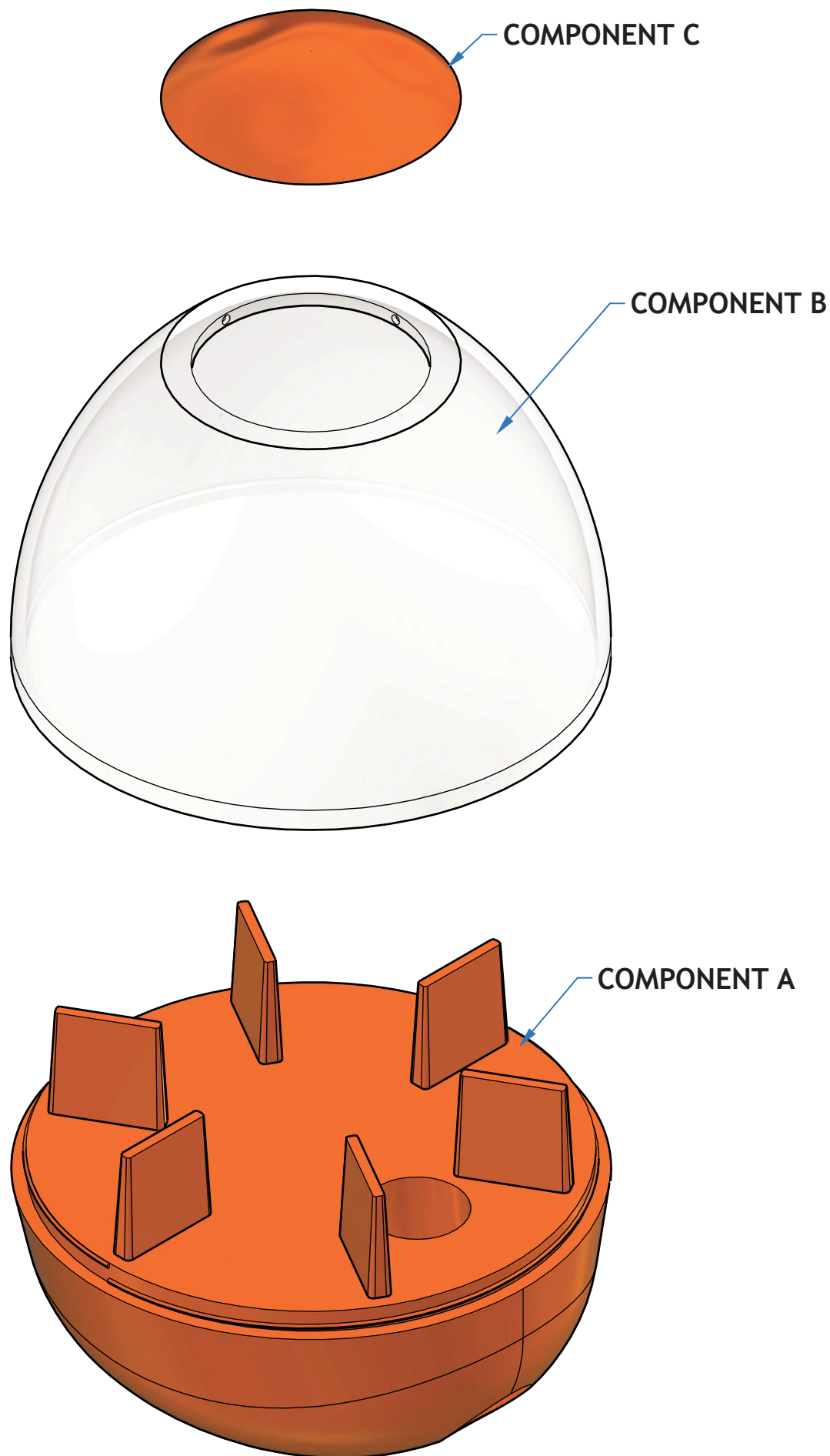


ENLARGED VIEW Q SCALE 3:1 (CENTRE LINES REMOVED FOR CLARITY)



TOLERANCE F

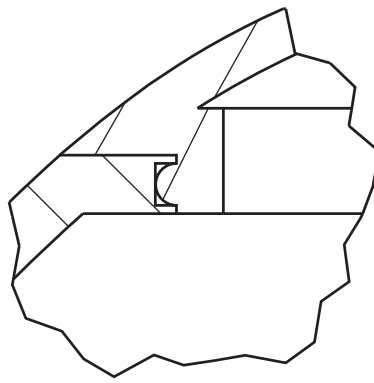
TITLE: DOG TREAT TOY	
DRAWING NUMBER: 1	
ALL DIMENSIONS IN MM TOLERANCE ± 0.2 UNLESS OTHERWISE STATED	SCALE: 1:1
AUTHOR: A.NON	DATE: 10/10/23



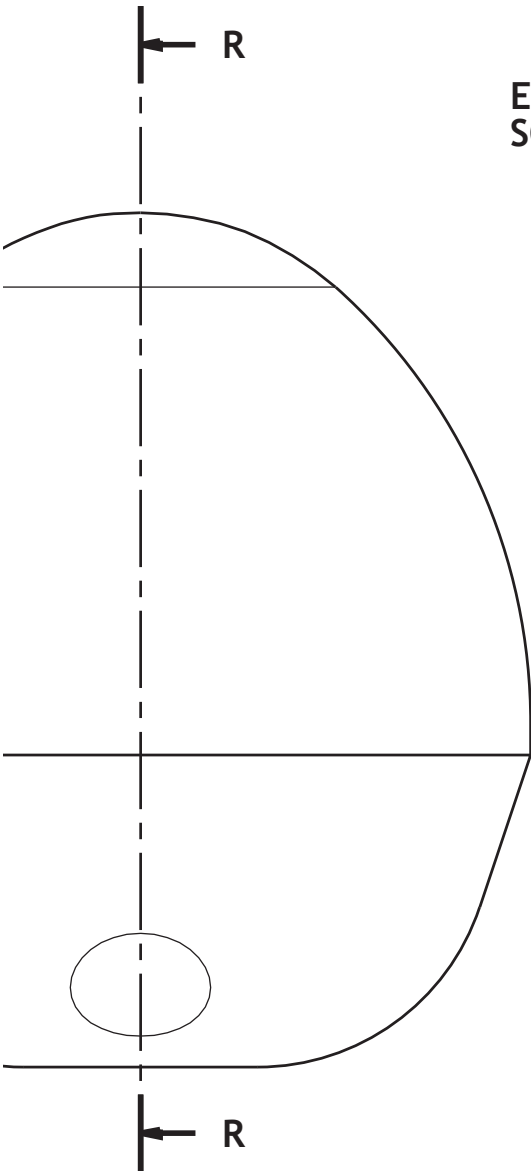
EXPLODED

ASSEMBLED

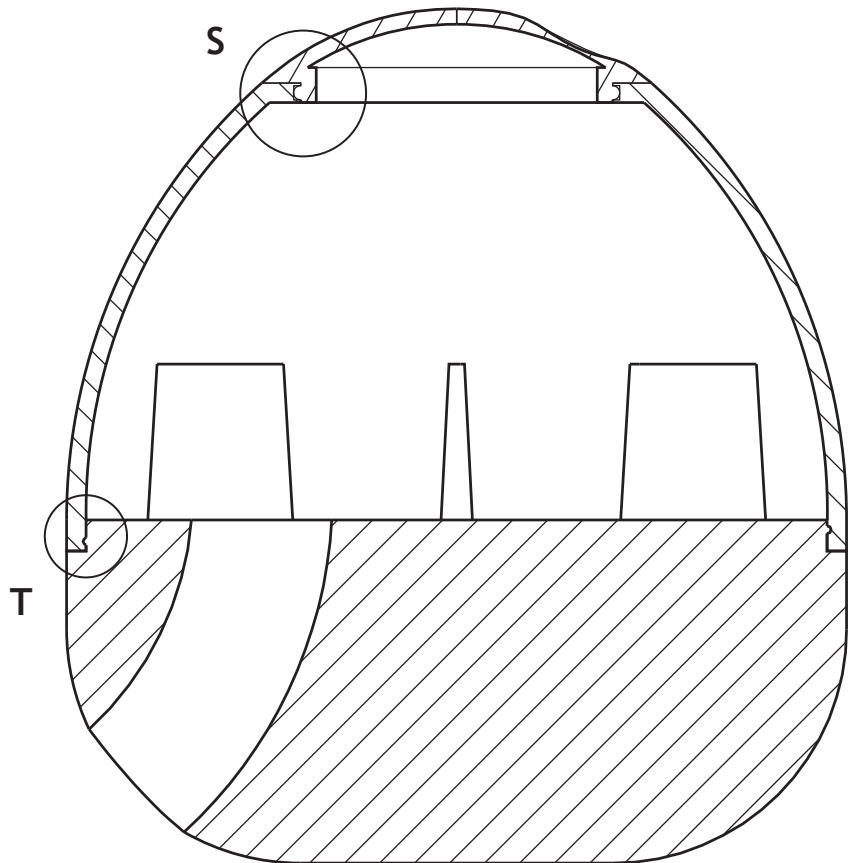
CENTRE LINES HAVE BEEN
REMOVED FOR CLARITY



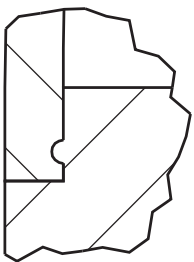
ENLARGED VIEW S
SCALE 4:1



ELEVATION



SECTION R-R



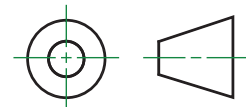
ENLARGED VIEW T
SCALE 4:1

TITLE: DOG TREAT TOY

DRAWING NUMBER: 2

EXPLODED AND
ORTHOGRAPHIC VIEWS

AUTHOR: A.NON

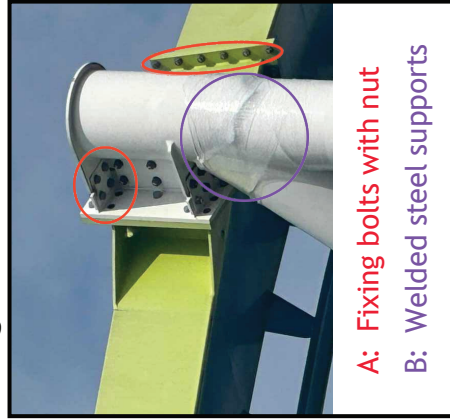


SCALE: 1:1

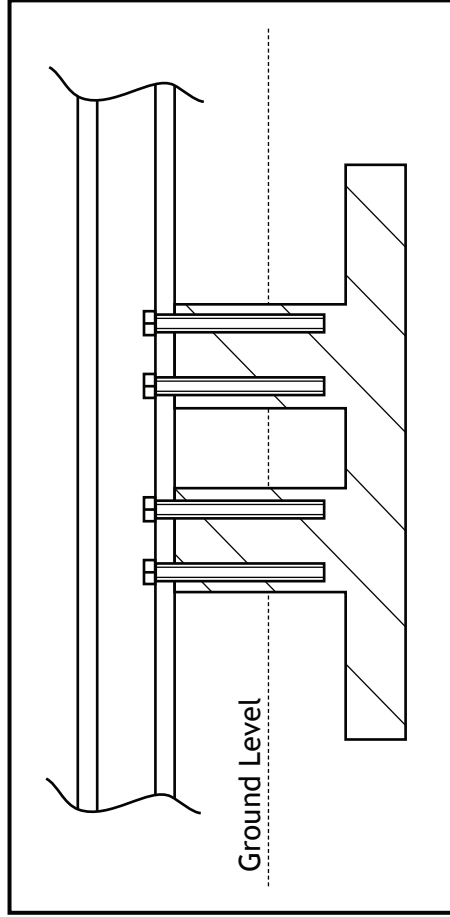
DATE: 10/10/23

Specification	• Track length: 425 m • Footprint: 66×40 m approx • Height: 20.1 m • First loop height: 20 m • Second loop height: 15.4 m	• Track material: Steel • Foundation material: Concrete • Foundation connected to supports using fixing bolts • Frame, supports and tracks assembled using bolts and welding
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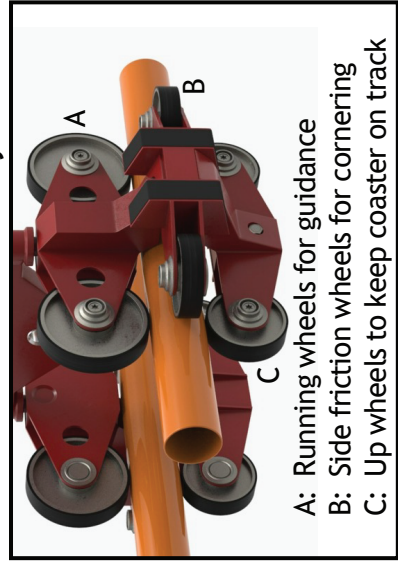
Joining Methods



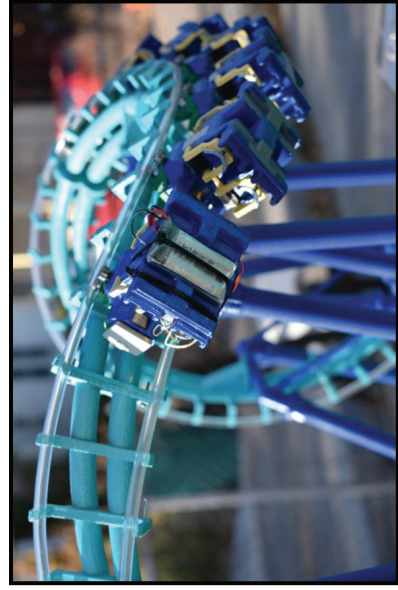
Column Foundation (Not to BS8888)



Mechanical wheel and brake system



3D Printed model



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Supplementary sheet 1 Pay icon: <https://pixabay.com/vectors/money-wallet-bank-banknote-bill-3722123/>
Location icon: <https://pixabay.com/vectors/location-position-job-you-are-here-1132648/>

Test icon: <https://pixabay.com/vectors/checkmark-tick-check-yes-mark-303752/>

Home icon: <https://pixabay.com/vectors/house-icon-home-symbol-sign-308936/>

Bike helmet: <https://pixabay.com/photos/bicycle-helmet-helmet-bike-helmet-505399/>

Supplementary sheet 4 Joining methods: Image is taken from Davide Mavillonio on LinkedIn, https://www.linkedin.com/posts/davide-mavillonio_fem-cfd-ansys-ugcPost-7082302878328995840-Wn4t/

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Column foundation photo: Image is taken from <https://clarkreder.com/entertainment/projects/amusement/mystic-timbers-roller-coaster-foundations>

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Mechanical wheel and brake system: Image is taken from <https://free3d.com/3d-model/roller-coasterwheel-884.html>

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3D printed model: Image is taken from 3D Printed Working Roller Coaster Model | MatterHackers

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Rollercoaster in motion model: Image is taken from See a Functional 3D-Printed Roller Coaster at SOLIDWORKS World 2019 | MySolidWorks

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