

Bicycle – Description of how it is made

DMC: S1000DBIKE-AAA-D00-00-00-00AA-041A-A

Language: en/US

Issue No.: 012

Issue Date: 2024-06-19

Title: Bicycle – Description of how it is made

Security Classification: UNCLASSIFIED

Data Restrictions

Distribution: To be made available to all S1000D users.

Export Control: Export of this data module to all countries that are the residence of organizations that are users of S1000D is permitted. Storage of this data module is to be at the discretion of the organization.

Handling: There are no specific handling instructions for this data module.

Destruction: Users may destroy this data module in accordance with their own local procedures.

Disclosure: There are no dissemination limitations that apply to this data module.

Copyright: **Copyright (C) 2024** by AeroSpace, Security and Defence Industries Association of Europe - ASD

Publishers:

Aerospace, Security and Defence Industries Association of Europe
Aerospace Industries Association of America
ATA e-Business Program

Limitations of liability:

- This material is provided "As is" and neither ASD nor any person who has contributed to the creation, revision or maintenance of the material makes any representations or warranties, express or implied, including but not limited to, warranties of merchantability or fitness for any particular purpose.
- Neither ASD nor any person who has contributed to the creation, revision or maintenance of this material shall be liable for any direct, indirect, special or consequential damages or any other liability arising from any use of this material.
- Revisions to this document may occur after its issuance. The user is responsible for determining if revisions to the material contained in this document have occurred and are applicable.

The details for copyright can be found in the S1000D Specification.

Policy reference: S1000D-SC-2016-017-002-00 Steering Committee TOR

Conditions: There are no known conditions that would change the data restrictions for, or security classification of, this data module.

Responsible partner company: AEROSPACE, SECURITY AND DEFENCE INDUSTRIES ASSOCIATION OF EUROPE /B6865

Originator:	AEROSPACE, SECURITY AND DEFENCE INDUSTRIES ASSOCIATION OF EUROPE /B6865		
Applicability cross-reference table reference:	S1000DBIKE-AAA-D00-00-00-00AA-00WA-D		
Applicability:	Mountain bicycle and (Mountain storm Mk1 or Brook trekker Mk9)		
Technical standard:	Authority information:	20010131	
	Authority baseline:	Bike book	
	Authority exceptions:		
	Authority notes:		
Brex data module reference:	S1000DBIKE-AAA-D00-00-00-00AA-022A-D		
QA:	First verification Cleared Table Top		
System breakdown code:	BY		
Skill level:	Basic		
Reason for updating:	S1000D upissued		
Reason for updating:	CPF_2016-016NL S1000D DIG SVG Profile Recommendation		
	CGM replaced by SVG		
Reason for updating:	CPF_2020-040EPWG Bike Enhancement with elements and attributes missing in the samples		
	foldout		

This is a draft copy of Issue 012-00
Printed 2025-12-17 15:47

Bicycle

Description of how it is made

Table of contents

	Page
Description of how it is made	1
References	1
Description	1
1 Physical description of a bicycle	1

List of tables

1	References	1
2	Bicycle parts	2

List of figures

1	Complete bicycle	3
---	------------------------	---

References

Table 1 References

Data module/Technical publication	Title
None	

Description

1 Physical description of a bicycle

A bicycle (refer to [Fig 1](#)) is a frame and a number of movable components with mechanical parts that are completely open. There are no covers or sheet metal panels that prevent access to the mechanical parts. Thus, you can disassemble the different components of a bicycle (refer to [Fig 1 \[0\]](#)) to do:

- an inspection
- a maintenance task
- a repair task

The parts that you can immediately identify on a bicycle are given in [Table 2](#).

Table 2 Bicycle parts

Item	Refer to	Definition
Frame	Fig 1 [9]	A bicycle frame is made of metal tubes that are welded together.
Wheels		The wheels include these parts: <ul style="list-style-type: none"> - Hub - Spokes - Metal rim - Rubber tire
- Rear wheel	Fig 1 [7]	
- Front wheel	Fig 1 [3]	
Seat and seat post	Fig 1 [8]	These install into the seat tube with a mechanism you can use to change the height.
Handle bars	Fig 1 [11]	A horizontal bar that attaches to the stem with grips at the ends that attach to the brake levers and the shifters.
Handle bar stem	Fig 1 [10]	This attaches the handle bar to the steering tube (head set).
Cranks	Fig 1 [5]	A lever that extends from the bottom of the bracket to the pedal.
Pedals	Fig 1 [4]	The two platforms for the feet that attach to the crank.
Chain	Fig 1 [6]	A circular set of links that connect the chain ring to the cogs on the freewheel.
Gears	Fig 1 [2]	The gears include: <ul style="list-style-type: none"> - Front chain ring - Rear freewheel - Front and the rear derailleur - Shift lever on the handle bars - Cables
Brakes	Fig 1 [1]	The brakes include: <ul style="list-style-type: none"> - Actuators on the handlebars - Brake cable - Brake callipers - Brake pads

All parts can be procured from any certified part distributor

This is a draft copy of Issue 012-00
Printed 2025-12-17 15:47

Produced by Docuneering Ltd.

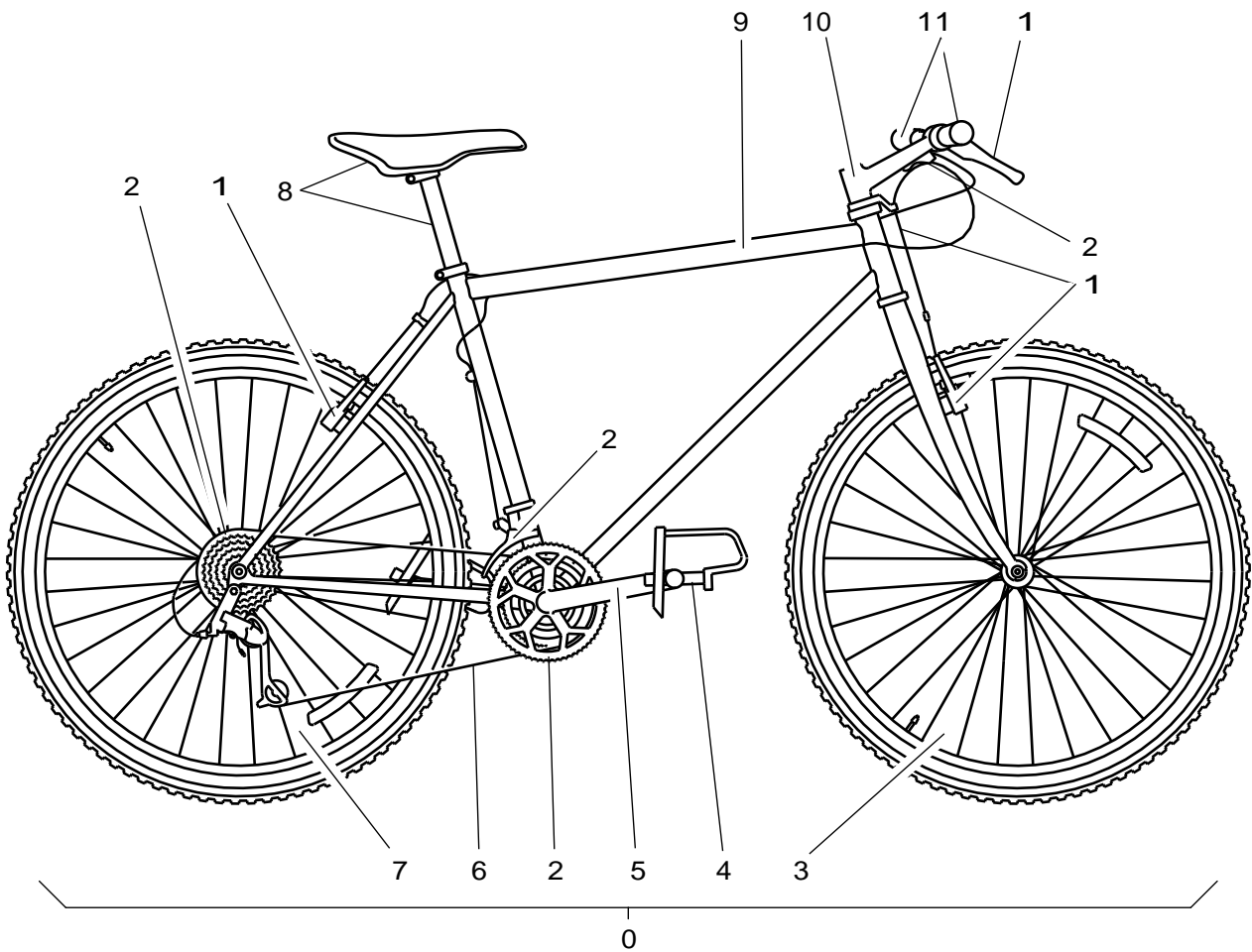


Fig 1 Complete bicycle

ICN-C0419-S1000D0360-001-01

Intentionally left blank.