

TS93

PRODUCT

COMPLIANCE PACK



DORMA TS93 EN 2-5 CAM ACTION DOOR CLOSER

This folder contains all technical documentation detailing the compliance of the DORMA TS93 Cam Action EN2-5 Slide Arm Door Closer complies with the technical and product requirements contained within UK Building, the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020 and EU Construction Product Regulations 2011

Contents:-

1. Declaration of Performance

The TS93 is CE and UKCA marked to EN1154

2. EN1154 Test Certificate

The TS93 has been successfully independently third party tested to EN1154

3. Certifire Certificate CF119

The TS93

is Certifire Approved as per enclosed Certificate and is suitable for the following applications:-

- a) Timber doors of up to 2 hours fire resistance when installed on the door on the pull or push side or on the frame on the pull side
- b) Insulated steel doors of up to 4 hours fire resistance when installed on the door on the pull or push side or on the frame on the pull or push side

4. Torque Curve to demonstrate compliance with requirements of ADM and BS8300

The TS93 when fitted to size EN3 (Minimum size for a fire door) will exert an opening force of 30N or less between 0 and 30 degrees and 22.5N or less between 30 and 60 degrees of opening when applied to doors 767mm wide or above.

5. Environmental Product Declaration as per ISO 14025 and EN 15804+A2

Technical Specification

DORMA TS93 EN2-5 Cam Action Door Closer with linear drive and rapidly decreasing opening resistance/torque, adjustable closing speed in two independent ranges and mounting backplate with universal fixing hole pattern, closing force infinitely variable between EN2-5, adjustable 'Thinking' backcheck, adjustable delayed action, non handed, Class 4 closing from 180 degrees, CE and UKCA Marked to EN1154 and Certifire Certificated CF119.

Once the TS93 Door Closer has been fitted and adjusted accordingly this document can be passed to Building Control to demonstrate compliance with UK Building Regulations and to the 'responsible person' of the Building owner/occupier for use in respect of RR(FS)O requirements.

For full documentation visit https://www.dormakaba.com/gb-en/offering/products/door-hardware/door-closers/ts-93-door-closer--do_207

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Certificate of constancy of performance**0432-CPR-00026-30**

Version 01

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product

Overhead door closer TS 93

Controlled door closing devices for single and double leaf swing doors
according to the composition and classification in annex 1

placed on the market under the name or trade mark of

dormakaba Deutschland GmbH

DORMA Platz 1
58256 Ennepetal
Germany

and produced in the manufacturing plant(s)

DO 2.20

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard(s)

EN 1154:1996/A1:2002/AC:2006

under **system 1** for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 02.09.2019 and will remain valid until 02.09.2024 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Dortmund, 2nd September 2019



By order

T. Friedrich
Head of Certification Body

This Certificate consists of 1 page and 1 annex(es).

The original of this document was issued in German language.
In case of doubt only the German version is valid.



LEISTUNGSERKLÄRUNG

DECLARATION OF PERFORMANCE

DOP_0001

EN EU Nr. 305/2011 Declaration of Performance

- Unique identification code of the product-type: Controlled door closing devices **DORMA TS 93 B EN 2-5, DORMA TS 93 G EN 2-5**
- Intended use/es: On fire and smoke compartmentation doors to fulfil the self closing requirements of such doors.
- Manufacturer: dormakaba Deutschland GmbH - DORMA Platz 1 - 58256 Ennepetal
- System/s of assessment and verification of constancy of performance (AVCP): System 1
- Harmonised standard: EN 1154: 1996/A1: 2002/AC: 2006
- Notified body/ies: MPA NRW 0432
- Declared performance/s:

Essential characteristic	Performance	Harmonised technical specification
Self-closing	<ul style="list-style-type: none"> ▪ Closing doors from $\geq 180^\circ$ open grade 4 ▪ Door closer power size EN 2-5 ▪ Suitability for fire/smoke door use grade1 ▪ Safety grade 1 ▪ Temperature dependence $+40^\circ\text{C}$ and -15°C: $\geq 3\text{s}$ $\leq 25\text{s}$ ▪ Latch control ▪ Back check ▪ Delayed closing ▪ Adjustable closing force 	EN 1154: 1996/A1: 2002/AC: 2006
Durability of self-closing	<ul style="list-style-type: none"> ▪ Durability 500000 cycles grade 8 ▪ Very high corrosion resistance grade 4 	
Dangerous substances	<ul style="list-style-type: none"> ▪ Substances of very high concern $<$ threshold values 	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Ennepetal 03.11.2016



Michael Hensel

Senior Vice President
Access Solutions DACH

Certificate of constancy of performance

1121-CPR-UK-AD7923

Placed on the market under the name of

**Dormakaba Deutschland GmbH
DORMA Platz 1,
58256 Ennepetal, Germany**

and produced in the manufacturing plant

AJ/005

This is coded format and the information is held by the Approved Body

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 1154:1996/A1:2002/AC:2006

Under System 1 for the performance set out in this certificate are applied and that the Factory Production Control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **18/08/2022** and will remain valid as long as neither the designated standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Approved Product Certification Body.

UKCA certificate valid to: **17/08/2025**



Paul Duggan
Certification Manager



**Warringtonfire Testing and Certification Limited
Suite 302, The Genesis Centre, Birchwood, Warrington, WA3 7BH, UK**

DOP_0001_UKCA

- Unique identification code of the product-type: Controlled door closing devices **TS 93 B EN 2-5, TS 93 G EN 2-5**
- Intended use/es: On fire and smoke compartmentation doors to fulfil the self closing requirements of such doors.
- Manufacturer: dormakaba Deutschland GmbH - DORMA Platz 1 - 58256 Ennepetal
- System/s of assessment and verification of constancy of performance (AVCP): System 1
- Designated standard: EN 1154: 1996/A1: 2002/AC: 2006
- UK Approved body/ies: Warringtonfire Testing and Certification Limited 1121
- Declared performance/s:

Essential characteristic	Performance	Designated standard
Self-closing	<ul style="list-style-type: none"> ▪ Closing doors from $\geq 180^\circ$ open grade 4 ▪ Door closer power size EN 2-5 ▪ Suitability for fire/smoke door use grade1 ▪ Safety grade 1 ▪ Temperature dependence $+40^\circ\text{C}$ and -15°C: $\geq 3\text{s}$ $\leq 25\text{s}$ ▪ Latch control ▪ Back check ▪ Delayed closing ▪ Adjustable closing force 	EN 1154: 1996/A1: 2002/AC: 2006
Durability of self-closing	<ul style="list-style-type: none"> ▪ Durability 500000 cycles grade 8 ▪ Very high corrosion resistance grade 4 	
Dangerous substances	<ul style="list-style-type: none"> ▪ Substances of very high concern $<$ threshold values 	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Construction Products Regulation 2011 (retained EU law EUR 2011/305) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Ennepetal 26.10.2022



Michael Hensel

Senior Vice President Region Germany



CERTIFICATE OF APPROVAL

No CF119

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

DORMAKABA UK Ltd

Wilbury Way, Hitchin, Hertfordshire SG4 0AB

Tel: 01462 477600

Fax: 01462 477601

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT

DORMA TS 90, TS 91, TS 92, TS
93, TS 97, TS 98 and TS 99
OVERHEAD MOUNTED DOOR
CLOSERS

TECHNICAL SCHEDULE

TS 34 - The Contribution Of
Controlled Door Closing
Devices And Accessories To
Fire Resisting Doorsets

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

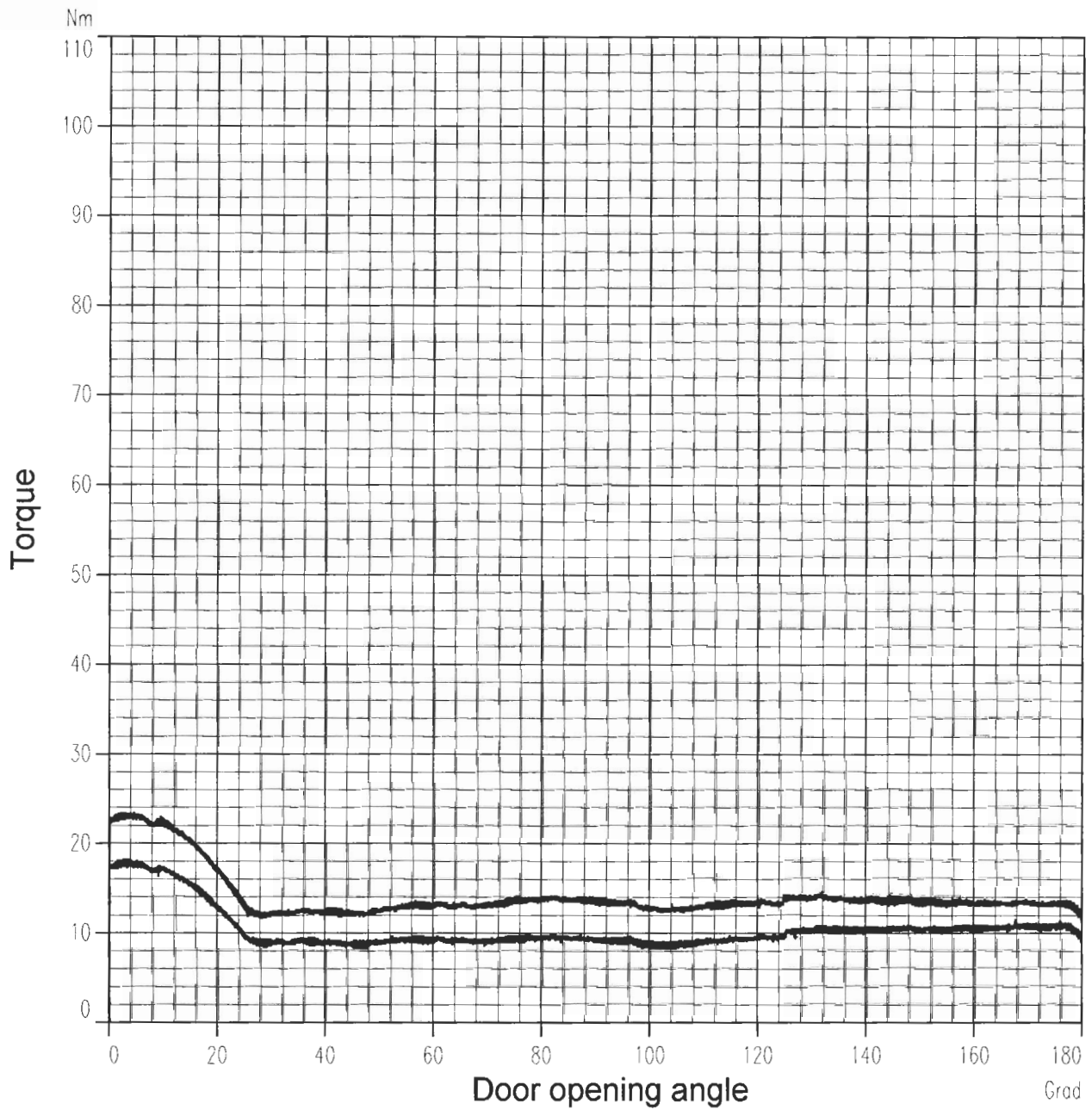
Paul Duggan
Certification Manager



Issued: 3rd February 1992
Revised: 15th February 2023
Valid to: 12th July 2027



Torque curve



Controlled door closing device EN 1154

Manufacturer: Dorma
Model: TS 93 B EN 2-5
Sample: B 1
size: 3
5000 Cycles

Standard installation

27.10.2005

Mum



ENVIRONMENTAL PRODUCT DECLARATION

as per /ISO 14025/ and /EN 15804/

Owner of the Declaration	dormakaba International Holding AG
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-DOR-20190173-IBC1-EN
Issue date	29.01.2020
Valid to	28.01.2025

TS 93 door closer system including slide channel G-N dormakaba

www.ibu-epd.com / <https://epd-online.com>



GreenCircle Certification System

GreenCircle Certified, LLC certifies
that an independent, third-party evaluation has been conducted for:

dormakaba

Singapore

Cam Action Door Closer TS 93

This product meets all the necessary qualifications
to be certified for the following claims:

57% Recycled Content

Minimum 56% Pre-Consumer Content

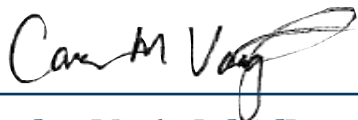
Minimum 1% Post-Consumer Content

This product meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.

Certification Period: December 11, 2024 - December 10, 2025

Certification Number: 24-5609

Compliant with GreenCircle Recycled Content Certification Standard Audit Plan 7.2024, USGBC's LEED Rating System, GreenCircle Certification Scheme 3.2024



*Cara Vought, LCACP
Certification Officer*

**GreenCircle
CERTIFIED** LLC

155 Railroad Plaza, Royersford PA 19468

