



RAIL VEHICLES SCHIENENFAHRZEUGE



www.mk-seats.com



**MKS RAIL
KOMFORT**



**MKS KOMFORT
EXT**



**MKS RAIL KOMFORT
I**



**MKS RAIL KOMFORT
II**



**MKS RAIL STANDARD
SUP**



**MKS RAIL STANDARD
M**



**MKS RAIL STANDARD
MS**

EN Presentation of MK Seats

A seating system not only provides comfort but also offers safety. It can be kind to health and increase productivity.

Our company builds on the years of experience of our staff.

This enables us to provide you with individually adapted seating systems and passenger seats. Our seats are used in rail vehicles, in buses and commercial vehicles and in ships. We can also repair your seats or provide you with spare parts.

Our range also includes upholstery and saddlery services.

In our portfolio you will also find static columns, lifting columns, rotating devices, adjustable armrests with the possibility of installing joysticks, adjustment rails and many other products.

DE Vorstellung der MK Seats

Ein Sitzsystem bietet nicht nur Komfort sondern auch Sicherheit. Es ist schonend für die Gesundheit und fördert die Produktivität.

Unsere Firma baut auf der jahrelangen Erfahrung unseres Personals.

Dadurch sind wir fähig Sie mit individuell angepassten Sitzsystemen und Passagiersitzen zu versorgen. Unsere Sitze finden Verwendung in Schienenfahrzeugen, in Bussen und Nutzfahrzeugen und in Schiffen. Wir können auch Ihre vorhandenen Sitze reparieren oder Ersatzteile beschaffen.

Zu unserem Angebot gehören auch Polster- und Sattlerarbeiten.

In unserem Portfolio finden Sie auch statische Säulen, Hubsäulen, Drehauslösungen, einstellbare Armlehnen mit der Möglichkeit für den Einbau von Joysticks, Verstellschienen und viele weitere Produkte.





SEAT ADJUSTMENTS:

1. Base plate
2. Rotating mechanism
3. Horizontal vibration isolator
4. Longitudinal movement adjustment
5. Seat extension adjustment
6. Seat height adjustment
7. Seat tilt adjustment
8. Seat suspension adjustment
9. Lumbar and side contour adjustment
10. Backrest tilt adjustment
11. Multifunctional armrest with controllers
12. Left armrest, adjustable, fully foldable
13. Integrated headrest
14. Fast release button

SITZEINSTELLUNGEN:

1. Bodenplatte
2. Drehmechanismus
3. Schwingenisolator
4. Einstellung der Längsbewegung
5. Sitzkissenverstellung
6. Sitzhöhenverstellung
7. Einstellung der Sitzneigung
8. Einstellung der Federung des Sitzes
9. Lordose und seitliche Konturanpassung
10. Neigungsverstellung der Rückenlehne
11. Multifunktionsarmlehne mit Steuerelementen
12. Linke Armlehne, verstellbar, vollständig klappbar
13. Integrierte Kopfstütze
14. Schnellabsenkungstaste



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9. Lumbar and side contour adjustment
10. Backrest tilt adjustment
11. Right/left armrest - adjustable, fully foldable
12. Integrated headrest

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8. Einstellung der Federung des Sitzes
9. Lordose- und seitliche Konturanpassung
10. Neigungsverstellung der Rückenlehne
11. Rechte/linke Armlehne - verstellbar, komplett klappbar
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3. Schwingungsisolator
4. Einstellung der Längsbewegung
5. Sitzkissenverstellung
6. Sitzhöhenverstellung
7. Einstellung der Federung des Sitzes
8. Lordose und seitliche Konturanpassung
9. Neigungsverstellung der Rückenlehne
10. Rechte/linke Armlehne - verstellbar, vollständig klappbar
11. Einstellbare Kopfstütze



SEAT ADJUSTMENTS:

1. Base plate
2. Rotating mechanism
3. Right/left armrest - adjustable, fully foldable
4. Backrest tilt adjustment
5. Seat tilt adjustment
6. Seat suspension adjustment
7. Longitudinal movement adjustment
8. Adjustable headrest

SITZEINSTELLUNGEN:

1. Bodenplatte
2. Drehmechanismus
3. Rechte/linke Armlehne - verstellbar, komplett klappbar
4. Neigungsverstellung der Rückenlehne
5. Neigungseinstellung des Sitzes
6. Einstellung der Federung des Sitzes
7. Einstellung der Längsbewegung
8. Regulierbare Kopfstütze

MK Seats CERTIFICATES/ZERTYFIKATE



Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”

CERTIFICATE

PRODUCT CONFORMITY

Certificate No. 15/2021

Product name: Upholstery system T of an operator seat T MKS RAIL I series and upholstery system T of an operator seat T MKS RAIL P

Type / variant of the product: —

Applicant / Producer: MK Seats Sp. z o.o.
77-430 Krajenska
Dolnik 33, Polska

Certification according to the program type: N and standard: PN-EN ISO / IEC 17067:2014-01 „Conformity assessment – Fundamentals of product certification and guidelines for product certification schemes”.

Product conformity with the requirements of R15 for the HL, HL3 and H3 hazard level of the standard: PN-EN 4545-2-A1:2015-12 “Railway applications – Fire protection in rail vehicles – Part 2: Requirements for materials and components with regard to fire properties” is confirmed.

Results of tests include the reports with numbers: SL/2-564/EN4545-R15/22/2020; SL/2-564/EN4545-R15/22/2020.

Blank for starting the works (number of contract): 3251/2020 with Annex 1.

Results of tests are included in the report: RC-15/2021, which is the integral part of this certificate.

Objections of the Applicant under pain of certificate withdrawal:

- Refer to certification only with regard to its scope;
- Stop referring to the certificate after its suspension or cancellation;
- Use the certificate in accordance with legal regulations;
- Ensure that no certificate/report is used as a marketing resource;
- Within the suspension of the issued certificate inform the Certificate Body of any changes in production, technology and applications that may affect product quality;
- Take actions related to complaints, shortcomings and ongoing research.

Limitations: None
Certificate validity: 25 March 2026
Date of issue: 26 March 2021
ID number of the Accredited Body: AC 173

[Signature]
mgr Wiesław Szulc

Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”

CERTYFIKAT

Quality Management System Approval

Certificate No. 1940/4/CD/2021/RST/PL/2

In accordance with the provisions of Directive (EU) 2016/797 of The European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union (with later amendments) and the conformity assessment procedure, it is hereby confirmed that:

Quality Management System

of Applicant / Producer:

MK Seats Sp. z o.o.
Dolnik 33, 77-430 Krajenska, Polska

For manufacturing of the Interoperability Constituent: Operator Seat MK S RAIL I
in versions: MKS KOMFORT I, MKS KOMFORT II

assessed by a Notified Body:

Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”,
ul. Warszawska 181, 61-055 Poznań

assessed against the CD module, according to Decision 2010/711/UE and Commission Regulation (EU) No 1302/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the ‘rolling stock – locomotives and passenger rolling stock’ subsystem of the rail system in the European Union, as well as Commission Implementing Regulation (EU) 2019/776 of 16 May 2019 amending Commission Regulations (EU) No 321/2013, (EU) No 1299/2014, (EU) No 1303/2014, (EU) No 1302/2014, (EU) No 1303/2014 and (EU) 2016/919.

Based on the conducted audit, it was proved that it meets the requirements of the assessment.

Assessment results are detailed in the attached technical document TF-002/CD/2021/RST, which forms the integral part of this Certificate. The essential requirements have been assessed as by the compliance with the provisions of the EC type examination certificate No. 1940/L/CB/2021/RST/PL/2.

Limitations: None
Certificate validity: from 26 March 2021 to 25 March 2023
Date of issue: 26 March 2021
ID number of the Notified Body: No10 1940

[Signature]
mgr Wiesław Szulc

Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”

CERTYFIKAT

Quality Management System Approval

Certificate No. 1940/4/CD/2021/RST/PL/1/V01

In accordance with the provisions of Directive (EU) 2016/797 of The European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union (with later amendments) and the conformity assessment procedure, it is hereby confirmed that:

Quality Management System

of Applicant / Producer:

MK Seats Sp. z o.o.
Dolnik 33, 77-430 Krajenska, Polska

For manufacturing of the Interoperability Constituent: Operator Seat MK S RAIL P
in versions: MKS STANDARD M, MKS STANDARD MS, MKS KOMFORT EXT, MKS KOMFORT SUP

assessed by a Notified Body:

Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”,
ul. Warszawska 181, 61-055 Poznań

assessed against the CD module, according to Decision 2010/711/UE and Commission Regulation (EU) No 1302/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the ‘rolling stock – locomotives and passenger rolling stock’ subsystem of the rail system in the European Union, as well as Commission Implementing Regulation (EU) 2019/776 of 16 May 2019 amending Commission Regulations (EU) No 321/2013, (EU) No 1299/2014, (EU) No 1303/2014, (EU) No 1302/2014, (EU) No 1303/2014 and (EU) 2016/919.

Based on the conducted audit, it was proved that it meets the requirements of the assessment.

Assessment results are detailed in the attached technical document TF-001/CD/2021/RST, which forms the integral part of this Certificate. The essential requirements have been assessed as by the compliance with the provisions of the EC type examination certificate No. 1940/L/CB/2021/RST/PL/1.

Limitations: None
Certificate validity: from 26 March 2021 to 25 March 2023
Date of issue: 26 March 2021
ID number of the Notified Body: No10 1940

[Signature]
mgr Wiesław Szulc

Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”

CERTYFIKAT

EC Type Examination

Certificate No. 1940/L/CB/2021/RST/PL/2/V01

In accordance with the provisions of DIRECTIVE (EU) 2016/797 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 May 2016 on the interoperability of the rail system within the European Union (with later amendments) and the conformity assessment procedure, it is hereby confirmed that:

Interoperability Constituent: Operator Seat MK S RAIL I
In version: MKS KOMFORT I, MKS KOMFORT II

Submitted for assessment by Applicant / Producer:

MK Seats Sp. z o.o.
Dolnik 33, 77-430 Krajenska, Polska

assessed by a Notified Body:

Sieć Badawcza Łukasiewicz – Instytut Pojazdów Szynowych „TABOR”,
ul. Warszawska 181, 61-055 Poznań

manufactured according to documentation: Technical Documentation and Product Data Sheet;

assessed against the CB module, according to Decision 2010/711/UE and Commission Regulation (EU) No 1302/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the ‘rolling stock – locomotives and passenger rolling stock’ subsystem of the rail system in the European Union, as well as Commission Implementing Regulation (EU) 2019/776 of 16 May 2019 amending Commission Regulations (EU) No 321/2013, (EU) No 1299/2014, (EU) No 1303/2014, (EU) No 1302/2014, (EU) No 1303/2014 and (EU) 2016/919;

meets the requirements of points 4.2.6.1.5 and 5.3.13 of Commission Regulation (EU) No 1302/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the ‘rolling stock – locomotives and passenger rolling stock’ subsystem of the rail system in the European Union

Detailed information is contained in the Technical Document TF-002/CB/2021, which is the integral part of this Certificate.

Limitations: None
Certificate validity: from 26 March 2021 to 25 March 2026
Date of issue: 26 March 2021
ID number of the Notified Body: No10 1940

[Signature]
mgr Wiesław Szulc



MK-Seats GmbH
Brunnenstrasse 29 b
59494 Soest
Deutschland

e-mail: info@mk-seats.com
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