

CERTIFICATE

of conformity of the Factory Production Control

BS EN 10025-1:2004 and BS EN 10343:2009

Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, the following has been stated:

Product Hot rolled products of structural steels acc. to BS EN 10025-1:2004
Steels for quenching and tempering for construction purposes acc. to BS EN 10343:2009

Placed on the market by TŘINECKÉ ŽELEZÁRNY, a. s.
Průmyslová 1000, Staré Město
(producer or its authorised representative) 739 61 Třinec
Czech Republic

Produced in the manufacturing Plants TŘINECKÉ ŽELEZÁRNY, a. s.
Průmyslová 1000, Staré Město
739 61 Třinec
Czech Republic

Initial Inspection 25.11.2013 **Place / effective date** Croydon / 07/02/2023

Period of validity This certificate will remain valid as long as the test methods and/or factory production control requirements included in the designated standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly and the intervals for the routine surveillance intervals as laid down in the product standard are maintained.

Certificate No.: 0879-CPR-10025-1-10343-CZ00007



0065

Signed for and on behalf of TÜV UK Ltd, the Certification Body

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex of the Standard(s). Under system 2+ are applied and that the factory production control fulfils all the prescribed requirements set out above This certificate, which remains the property of TÜV UK Ltd, was issued in accordance with the TÜV UK Ltd auditing and inspection procedures as amended from time to time, and its validity is subject to regular surveillance audits.

TÜV UK Ltd, AMP House, Suites 27-29, Fifth Floor, Dingwall Road Croydon CR0 2LX, UK www.tuv-nord.com/uk



Declaration of Performance – 01/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of structural steels acc. to BS EN 10025-1:2004 non-alloy structural steels quality grade S235JR(J0,J2) - bars of equal angle from L 30 till L 50 mm - flat bars width 25 till 150 mm, thickness 5 till 60 mm - round bars from Ø 12 till Ø 90 mm - square bars from 20x20 till 65x65 mm - hexagonal bars 16 till 38 mm - round wire rod from Ø 5,5 till Ø 25 mm - cover profile of F shape (S235JR) – dimensions according to technical list of profile F	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10025-1:2004 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - bars of equal angle - flat bars - round bars - square bars - hexagonal bars - round wire rod - cover profiles of F shape	Tolerances acc. to BS EN 10056-1,2 BS EN 10058 BS EN 10060 BS EN 10059 BS EN 10061 BS EN 10060 Technical list no. 3W-03	BS EN 10025-1:2004 7.7.1



mechanical properties Tensile strength Rm (MPa)	BS EN 10025-2:2019, tab. 6	BS EN 10025-1:2004 7.3.1
Yield point ReH (MPa)	BS EN 10025-2:2019, tab. 6	
Longation at fracture A (%)	BS EN 10025-2:2019, tab. 6	
mechanical properties Impact strength KV (J)	BS EN 10025-2:2019, tab. 8	BS EN 10025-1:2004 7.3.1 + 7.3.2
Weldability (CEV)	BS EN 10025-2:2019, tab. 1, tab. 3, tab. 5	BS EN 10025-1:2004 7.2 + 7.4.1

The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.

Průmyslová 1000, Staré Město
739 61 Třinec

18

Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>

**Declaration of Performance – 02/2023/05/GB**

according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020

Unique identification code of the product type:	Hot rolled products of structural steels acc. to BS EN 10025-1:2004 non-alloy structural steels quality grade S275JR(J0,J2) <ul style="list-style-type: none">- bars of equal angle from L 30 till L 50 mm- flat bars width 25 till 150 mm, thickness 5 till 60 mm- round bars from Ø 12 till Ø 90 mm- square bars from 20x20 till 65x65 mm- hexagonal bars 16 till 38 mm- round wire rod from Ø 5,5 till Ø 25 mm- profile bars for fish plates (S275JR)- profile bars for base plates (S275JR)- profile bars for clips (S275JR)- profile bars for sliding sections (S275JR)	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10025-1:2004 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape <ul style="list-style-type: none">- bars of equal angle- flat bars- round bars- square bars- hexagonal bars- round wire rod- profile bars for fish plates	Tolerances acc. to BS EN 10056-1,2 BS EN 10058 BS EN 10060 BS EN 10059 BS EN 10061 BS EN 10060 TN outward, TN inward, R65, RD, RUDERT, RUDERT R, S, S24, S49, S49I,	BS EN 10025-1:2004 7.7.1



- profile bars for base plates - profile bars for clips - profile bars for sliding sections	U60, U60I, XA, U54, UIC54 S49A flat, R65A flat, S49A, R65A, 54-0, 60-0, 49-0, ŽT, 54-2, 54-4, 60-2, 60-4, 49-2, 49-4, 49-0-16, 60-0-16, S24, 49- 0-TI, 49-0-T2, K-2, 49-4-N, 49-4-S U6, ŽS4, ŽS6, ŽS6-1, 50-60 UNI UIC60, S49	
mechanical properties Tensile strength Rm (MPa) Yield point ReH (MPa) Longation at fracture A (%)	BS EN 10025-2:2019, tab. 6 BS EN 10025-2:2019, tab. 6 BS EN 10025-2:2019, tab. 6	BS EN 10025-1:2004 7.3.1
mechanical properties Impact strength KV (J)	BS EN 10025-2:2019, tab. 8	BS EN 10025-1:2004 7.3.1 + 7.3.2
Weldability (CEV)	BS EN 10025-2:2019, tab. 1, tab. 3, tab. 5	BS EN 10025-1:2004 7.2 + 7.4.1


The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.
Průmyslová 1000, Staré Město
739 61 Třinec 16


Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>



Declaration of Performance – 03/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of structural steels acc. to BS EN 10025-1:2004 non-alloy structural steels quality grade S355JR(J0,J2) <ul style="list-style-type: none"> - bars of equal angle from L 30 till L 50 mm - flat bars width 25 till 150 mm, thickness 5 till 60 mm - round bars from Ø 12 till Ø 90 mm - square bars from 20x20 till 65x65 mm - hexagonal bars 16 till 38 mm - round wire rod from Ø 5,5 till Ø 25 mm - profile bars for fish plates (S355JR) - profile bars for base plates (S355JR) - profile bars for clips (S355JR) - profile bars for sliding sections (S355JR) - round bars $63 < d \leq 80$ mm (S355K2) 	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10025-1:2004	
Notified body:	TÜV UK Ltd. Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape <ul style="list-style-type: none"> - bars of equal angle - flat bars - round bars - square bars - hexagonal bars - round wire rod - profile bars for fish plates 	Tolerances acc. to BS EN 10056-1,2 BS EN 10058 BS EN 10060 BS EN 10059 BS EN 10061 BS EN 10060 TN outward, TN inward, R65, RD,	BS EN 10025-1:2004 7.7.1



- profile bars for base plates - profile bars for clips - profile bars for sliding sections	RUDERT, RUDERT R, S, S24, S49, S49I, U60, U60I, XA, U54, UIC54 S49A flat, R65A flat, S49A, R65A, 54-0, 60-0, 49-0, ŽT, 54-2, 54-4, 60-2, 60-4, 49-2, 49-4, 49-0-16, 60-0-16, S24, 49-0-TI, 49-0-T2, K-2, 49-4-N, 49-4-S U6, ŽS4, ŽS6, ŽS6-1, 50-60 UNI UIC60, S49	
mechanical properties Tensile strength Rm (MPa) Yield point ReH (MPa) Longation at fracture A (%)	BS EN 10025-2:2019, tab. 6 BS EN 10025-2:2019, tab. 6 BS EN 10025-2:2019, tab. 6	BS EN 10025-1:2004 7.3.1
mechanical properties Impact strength KV (J)	BS EN 10025-2:2019, tab. 8	BS EN 10025-1:2004 7.3.1 + 7.3.2
Weldability (CEV)	BS EN 10025-2:2019, tab. 1, tab. 3, tab. 5	BS EN 10025-1:2004 7.2 + 7.4.1

The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.
Průmyslová 1000, Staré Město
739 61 Třinec 18


Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>





Declaration of Performance – 10/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade C35 (E,R) – BS EN 10343:2009 - flat bars width 25 till 150 mm, thickness 5 till 25 mm - round bars from Ø 15 till Ø 90 mm - square bars from 35x35 till 65x65 mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - flat bars - round bars - square bars	Tolerances acc. to BS EN 10058:2003 BS EN 10060:2003 BS EN 10059:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa) Yield point ReH (MPa) Longation at fracture A (%)	BS EN 10343:2009, Tab. 4, Tab. 5 BS EN 10343:2009, Tab. 4, Tab. 5 BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990 7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990 7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009



Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990

The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.
Průmyslová 1000, Staré Město
739 61 Třinec 16

Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>



Declaration of Performance – 11/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade C45 (E,R) – BS EN 10343:2009 - flat bars width 25 till 150 mm, thickness 5 till 25 mm - round bars from Ø 15 till Ø 90 mm - square bars from 35x35 till 65x65 mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - flat bars - round bars - square bars	Tolerances acc. to BS EN 10058:2003 BS EN 10060:2003 BS EN 10059:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa) Yield point ReH (MPa) Longation at fracture A (%)	BS EN 10343:2009, Tab. 4, Tab. 5 BS EN 10343:2009, Tab. 4, Tab. 5 BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4 BS EN 10343:2009 and BS N 10002-1:1990 7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990 7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle	BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4 BS EN 10343:2009



fracture (impact strength)		and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4, Tab. 5	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990

The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.
Průmyslová 1000, Staré Město
739 61 Třinec 16

Ing. Robert Zvoníček
Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>





Declaration of Performance – 12/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of fine-grained weldable structural steels quality grade S355NL acc. to BS EN 10025-1:2004 - round bars $40 < d \leq 80$ mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10025-1:2004 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060	BS EN 10025-1:2004 7.7.1
mechanical properties Tensile strength Rm (MPa)	BS EN 10025-3, tab. 4	BS EN 10025-1:2004 7.3.1
Yield point ReH (MPa)	BS EN 10025-3, tab. 4	
Longation at fracture A (%)	BS EN 10025-3, tab. 4	
mechanical properties Impact strength KV (J)	BS EN 10025-3, tab. 5	BS EN 10025-1:2004 7.3.1 + 7.3.2
Weldability (CEV)	BS EN 10025-3, tab. 1, tab. 2, tab. 3	BS EN 10025-1:2004 7.2 + 7.4.1



The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.

Průmyslová 1000, Staré Město

739 61 Třinec

16

Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>



Declaration of Performance – 29/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade 25CrMo4 – BS EN 10343:2009 - round bars from Ø 18 till 80mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990
Yield point ReH (MPa)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990
Longation at fracture A (%)	BS EN 10343:2009, Tab. 4	7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990



The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.
Průmyslová 1000, Staré Město
739 61 Třinec 16

Ing. Robert Zvoníček
Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>



Declaration of Performance – 30/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade 42CrMo4 – BS EN 10343:2009 - round bars from Ø 18 till 80mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990
Yield point ReH (MPa)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990
Longation at fracture A (%)	BS EN 10343:2009, Tab. 4	7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990



The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.

Průmyslová 1000, Staré Město

739 61 Třinec

16

Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>



Declaration of Performance – 31/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade 50CrMo4 – BS EN 10343:2009 - round bars from Ø 18 till 80mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa) Yield point ReH (MPa) Longation at fracture A (%)	BS EN 10343:2009, Tab. 4 BS EN 10343:2009, Tab. 4 BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990 7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990 7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002- 1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990



The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



TŘINECKÉ ŽELEZÁRNY, a.s.
Průmyslová 1000, Staré Město
739 61 Třinec 16

Ing. Robert Zvoníček
Head of Quality Assurance

Třinec, 15.02.2023

The Declarations of Performance for download: <https://www.trz.cz/products/64/steel-bars>



Declaration of Performance – 32/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade 34CrNiMo6 – BS EN 10343:2009 - round bars from Ø 18 till 80mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990
Yield point ReH (MPa)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990
Longation at fracture A (%)	BS EN 10343:2009, Tab. 4	7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990



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TŘINECKÉ ŽELEZÁRNY, a.s.

Průmyslová 1000, Staré Město

739 61 Třinec

16

Ing. Robert Zvoníček

Head of Quality Assurance

Třinec, 15.02.2023

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Declaration of Performance – 33/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade 51CrV4 – BS EN 10343:2009 - round bars from Ø 18 till 80mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990
Yield point ReH (MPa)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990
Longation at fracture A (%)	BS EN 10343:2009, Tab. 4	7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990



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Průmyslová 1000, Staré Město

739 61 Třinec

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Head of Quality Assurance

Třinec, 15.02.2023

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Declaration of Performance – 34/2023/05/GB		
according to Statutory Instrument No. 465 The Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and its amendments in Statutory Instrument No. 1359/2020		
Unique identification code of the product type:	Hot rolled products of alloy structural steels quality grade 27MnCrB5-2 – BS EN 10343:2009 - round bars from Ø 18 till 80mm	
Intended use:	The production of metallic elements, components, assemblies and structures	
Manufacturer:	TŘINECKÉ ŽELEZÁRNY, a.s. Průmyslová 1000, Staré Město 739 61 Třinec, Czech Republic	
System of AVCP:	System 2+	
Harmonised standard:	BS EN 10343:2009 TÜV UK Ltd.	
Notified body:	Nr. NB 0879 Certificate Nr. 0879-CPR-10025-1-10343-CZ00007	
Declared performance:		
Essential characteristics	Performance	Harmonised technical specification
Dimensions and shape - round bars	Tolerances acc. to BS EN 10060:2003	7.6 and Annex B BS EN 10343:2009
mechanical properties Tensile strength Rm (MPa)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10002-1:1990
Yield point ReH (MPa)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.1 BS EN 10343:2009 and BS EN 10002-1:1990
Longation at fracture A (%)	BS EN 10343:2009, Tab. 4	7.1.4, 10.2.2.2 BS EN 10343:2009 and BS EN 10002-1:1990
mechanical properties Impact strength KV (J)	BS EN 10343:2009, Tab. 4	7.1.4, 11.2.2 BS EN 10343:2009 and BS EN 10045-1:1990
Weldability (CEV)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2, 7.1.3 BS EN 10343:2009
Stability (chem. composition)	BS EN 10343:2009, Tab. 2, Tab. 3	7.1.2 BS EN 10343:2009
Fracture toughness / brittle fracture (impact strength)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990
Cold formability (elongation)	BS EN 10343:2009, Tab. 4	7.1.4 BS EN 10343:2009 and BS EN 10045-1:1990



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