

Declaration of performance EUV 305/2011 RMH EN 10210-1 – S 235 JRH

- 1 Manufacturer code RMH EN 10210-1 - S 235 JRH
- 2 Intended use for the use in metal buildings or in metal and concrete group buildings
- 3 Manufacturer Rohrwerk Maxhütte GmbH
Franz Kunze Straße 1
92237 Sulzbach-Rosenberg
- 4 Representative see Manufacturer
- 5 System for evaluating System 2+
- 6a harmonized standard EN 10210-1:2006
- notified authority The TÜV SÜD Industry Service GmbH has performed the certification of the factory production control according to the system 2+. He performs the continuous surveillance, assessment and approval of factory production control and has created the certificate 0036-CPR-M-15/2007.

7 declared performance

Significant properties	Performance			Applicable technical specification
	S 235 JRH (1.0039)			
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		
	straightness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	235		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 3	360	510	
	> 3	360	510	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 40	26		
Notch impact energy [KV]	nom. wall thicken. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	+20	27		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 40	C	0,17	
		Si	-	
		Mn	1,40	
		P	0,040	
		S	0,040	
		N	0,009	
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16		0,37	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

- 8 The performance of the product identified in paragraph 1 and 2 is in conformity with the declared performance in paragraph 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in paragraph 3.

Signed for and on behalf of the manufacturer by:



Thomas Forster (COO)

Sulzbach-Rosenberg August 01, 2022

 0036	
Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg	
13	
CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 S 235 JRH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 235JRH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011
RMH EN 10210-1 – S 275 NH

- 1 Manufacturer code RMH EN 10210-1 - S 275 NH
- 2 Intended use for the use in metal buildings or in metal and concrete group buildings
- 3 Manufacturer
Rohrwerk Maxhütte GmbH
Franz Kunze Straße 1
92237 Sulzbach-Rosenberg
- 4 Representative see Manufacturer
- 5 System for evaluating System 2+
- 6a harmonized standard EN 10210-1:2006
notified authority The TÜV SÜD Industry Service GmbH has performed the certification of the factory production control according to the system 2+. He performs the continuous surveillance, assessment and approval of factory production control and has created the certificate 0036-CPR-M-15/2007.

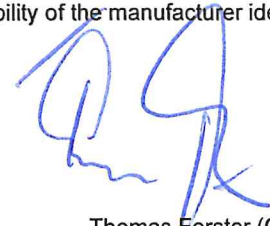
7 declared performance

Significant properties	Performance			Applicable technical specification
	S 275 NH		(1.0493)	
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straightness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	275		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 16	370 510		
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 16	24		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-20	40		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 16	C	0,20	
		Si	0,40	
		Mn	0,50 - 1,40	
		P	0,035	
		S	0,030	
		Nb	0,050	
		V	0,080	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,30	
		Mo	0,10	
		Cu	0,35	
		N	0,015	
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16	0,40		
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

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Signed for and on behalf of the manufacturer by:

Sulzbach-Rosenberg August 01, 2022



Thomas Forster (COO)

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Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg	
13	
CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 275 NH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißbeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 275 NH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011 RMH EN 10210-1 – S 275 NLH

- 1 Manufacturer code RMH EN 10210-1 - S 275 NLH
 2 Intended use for the use in metal buildings or in metal and concrete group buildings
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 Franz Kunze Straße 1
 92237 Sulzbach-Rosenberg
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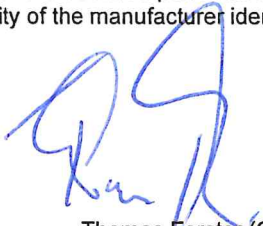
7 declared performance

Significant properties	Performance			Applicable technical specification
	S 275 NLH	(1.0497)		
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straightness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	275		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 16	370	510	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 16	24		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-50	27		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 16	C	0,20	
		Si	0,40	
		Mn	0,50 - 1,40	
		P	0,030	
		S	0,025	
		Nb	0,050	
		V	0,080	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,30	
		Mo	0,10	
		Cu	0,35	
		N	0,015	
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16		0,40	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

- 8 The performance of the product identified in paragraph 1 and 2 is in conformity with the declared performance in paragraph 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in paragraph 3.

Signed for and on behalf of the manufacturer by:

Sulzbach-Rosenberg August 01, 2022



Thomas Forster (COO)

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Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg	
13	
CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 275 NLH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 275 NLH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011
RMH EN 10210-1 – S 355 J2H

- 1 Manufacturer code RMH EN 10210-1 - S 355 J2H
- 2 Intended use for the use in metal buildings or in metal and concrete group buildings
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Franz Kunze Straße 1
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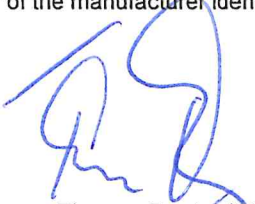
7 declared performance

Significant properties	Performance			Applicable technical specification
	S 355 J2H	(1.0576)		
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straigthness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	355		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 3	510	680	
	> 3	470	630	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 40	22		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-20	27		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 40	C	0,22	
		Si	0,55	
		Mn	1,60	
		P	0,030	
		S	0,030	
		N	-	
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16		0,45	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

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Signed for and on behalf of the manufacturer by:

Sulzbach-Rosenberg August 01, 2022



Thomas Forster (OOO)

 0036	
Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg	
13	
CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 355 J2H	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißseignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 355 J2H
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011 RMH EN 10210-1 – S 355 J0H

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Franz Kunze Straße 1
92237 Sulzbach-Rosenberg
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7 declared performance

Significant properties	Performance			Applicable technical specification
	S 355 J0H	(1.0547)		
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straigthness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	355		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 3	510	680	
	> 3	470	630	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 40	22		
Notch impact energy [KV]	nom. wall thicken. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	0	27		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 40	C	0,22	
		Si	0,55	
		Mn	1,60	
		P	0,035	
		S	0,035	
		N	0,009	
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16		0,45	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

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CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 355 J0H	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 355 J0H
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011
RMH EN 10210-1 – S 355 NH

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Franz Kunze Straße 1
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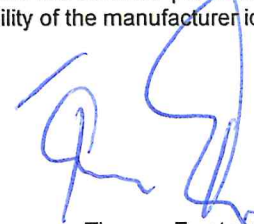
7 declared performance

Significant properties	Performance			Applicable technical specification
	S 355 NH	(1.0539)		
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straightness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	355		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 16	470 630		
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 16	22		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-20	40		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 16	C	0,20	
		Si	0,50	
		Mn	0,90 - 1,65	
		P	0,035	
		S	0,030	
		Nb	0,050	
		V	0,120	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,50	
		Mo	0,10	
		Cu	0,35	
N	0,020			
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16	0,43		
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

- 8 The performance of the product identified in paragraph 1 and 2 is in conformity with the declared performance in paragraph 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in paragraph 3.

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Sulzbach-Rosenberg August 01, 2022


 Thomas Forster (COO)

 0036	
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13	
CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 355 NH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißseignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 355 NH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/20110 RMH EN 10210-1 – S 355 NLH

- 1 Manufacturer code RMH EN 10210-1 - S 355 NLH
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 Franz Kunze Straße 1
 92237 Sulzbach-Rosenberg
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 notified authority The TÜV SÜD Industry Service GmbH has performed the certification of the factory production control according to the system 2+. He performs the continuous surveillance, assessment and approval of factory production control and has created the certificate 0036-CPR-M-15/2007.

7 declared performance

Significant properties	Performance			Applicable technical specification
	S 355 NLH (1.0549)			
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straigthness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	355		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 16	470	630	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 16	22		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-50	27		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 16	C	0,18	
		Si	0,50	
		Mn	0,90 - 1,65	
		P	0,030	
		S	0,025	
		Nb	0,050	
		V	0,120	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,50	
		Mo	0,10	
		Cu	0,35	
N	0,020			
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16	0,43		
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

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CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 355 NLH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 355 NLH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011
RMH EN 10210-1 – S 420 NH

- 1 Manufacturer code RMH EN 10210-1 - S 420 NH
- 2 Intended use for the use in metal buildings or in metal and concrete group buildings
- 3 Manufacturer Rohrwerk Maxhütte GmbH
Franz Kunze Straße 1
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- notified authority The TÜV SÜD Industry Service GmbH has performed the certification of the factory production control according to the system 2+. He performs the continuous surveillance, assessment and approval of factory production control and has created the certificate 0036-CPR-M-15/2007.

7 declared performance

Significant properties	Performance S 420 NH (1.8750)			Applicable technical specification
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straighthness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	420		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 16	520	680	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 16	19		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-20	40		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 16	C	0,22	
		Si	0,60	
		Mn	1,00 - 1,70	
		P	0,035	
		S	0,030	
		Nb	0,050	
		V	0,200	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,80	
		Mo	0,10	
		Cu	0,70	
		N	0,025	
Carbon Equivalent Value [CEV]	nominal wall thickness (mm)	actual value max (%)		
	≤ 16		0,50	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

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Sulzbach-Rosenberg August 01, 2022

Thomas Forster (COO)

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CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 420 NH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißseignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 420 NH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011
RMH EN 10210-1 – S 420 NLH

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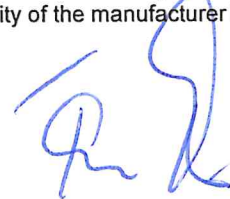
7 declared performance

Significant properties	Performance			Applicable technical specification	
	S 420 NLH		(1.8751)		
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006	
	straigthness	EN 10210-2:2006 article 6			
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)			
	≤ 16	420			
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)			
	≤ 16	520 680			
Elongation [A]	nominal wall thickness (mm)	actual value min (%)			
	≤ 16	19			
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value			
	test temperature (°C)	min (J)			
	-50	27			
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)			
	≤ 16	C	0,22		
		Si	0,60		
		Mn	1,00 - 1,70		
		P	0,030		
		S	0,025		
		Nb	0,050		
		V	0,200		
		Al _{total} min.	0,020		
		Ti	0,03		
		Cr	0,30		
		Ni	0,80		
		Mo	0,10		
		Cu	0,70		
		N	0,025		
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)			
	≤ 16	0,50			
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.					

- 8 The performance of the product identified in paragraph 1 and 2 is in conformity with the declared performance in paragraph 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in paragraph 3.

Signed for and on behalf of the manufacturer by:

Sulzbach-Rosenberg August 01, 2022



Thomas Forster (COO)

 0036			
Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg			
13			
CPR-M-015-2007			
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen			
RMH EN 10210-1 - S 420 NLH <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;"> Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißbeignung: Dauerhaftigkeit: </td> <td> siehe Leistungserklärung RMH 10210-1- S 420 NLH </td> </tr> </table>		Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißbeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1- S 420 NLH
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißbeignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1- S 420 NLH		
Gefährlicher Stoff:	nicht zutreffend		

Declaration of performance EUV 305/2011 RMH EN 10210-1 – S 460 NH

- 1 Manufacturer code RMH EN 10210-1 - S 460 NH
- 2 Intended use for the use in metal buildings or in metal and concrete group buildings
- 3 Manufacturer Rohrwerk Maxhütte GmbH
Franz Kunze Straße 1
92237 Sulzbach-Rosenberg
- 4 Representative see Manufacturer
- 5 System for evaluating System 2+
- 6a harmonized standard EN 10210-1:2006
- notified authority The TÜV SÜD Industry Service GmbH has performed the certification of the factory production control according to the system 2+. He performs the continuous surveillance, assessment and approval of factory production control and has created the certificate 0036-CPR-M-15/2007.

7 declared performance

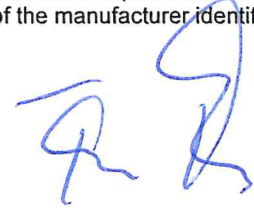
Significant properties	Performance			Applicable technical specification
	S 460 NH	(1.8953)		EN 10210-1:2006
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		
	straightness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness (mm)	actual value min (MPa)		
	≤ 16	460		
Tensile strength [Rm]	nominal wall thickness (mm)	actual value min (MPa) max (MPa)		
	≤ 16	540	720	
Elongation [A]	nominal wall thickness (mm)	actual value min (%)		
	≤ 16	17		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-20	40		
Weldability/ Chemical composition	nominal wall thickness (mm)	actual value Element max (%)		
	≤ 16	C	0,22	
		Si	0,60	
		Mn	1,00 - 1,70	
		P	0,035	
		S	0,030	
		Nb	0,050	
		V	0,200	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,80	
		Mo	0,10	
		Cu	0,70	
		N	0,025	
Carbon Equivalent Value CEV	nominal wall thickness (mm)	actual value max (%)		
	≤ 16		0,53	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

Declaration of performance EUV 305/2011
RMH EN 10210-1 – S 460 NH

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Sulzbach-Rosenberg August 01, 2022



Thomas Forster (COO)

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Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg	
13	
CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 460 NH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißseignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 460 NH
Gefährlicher Stoff:	nicht zutreffend

Declaration of performance EUV 305/2011 RMH EN 10210-1 – S 460 NLH

- | | | |
|----|---|---|
| 1 | Manufacturer code | RMH EN 10210-1 - S 460 NLH |
| 2 | Intended use | for the use in metal buildings or in metal and concrete group buildings |
| 3 | Manufacturer | Rohrwerk Maxhütte GmbH
Franz Kunze Straße 1
92237 Sulzbach-Rosenberg |
| 4 | Representative | see Manufacturer |
| 5 | System for evaluating | System 2+ |
| 6a | harmonized standard
notified authority | EN 10210-1:2006
The TÜV SÜD Industry Service GmbH has performed the certification of the factory production control according to the system 2+. He performs the continuous surveillance, assessment and approval of factory production control and has created the certificate 0036-CPR-M-15/2007. |

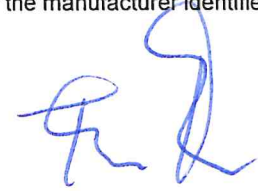
7 declared performance

Significant properties	Performance			Applicable technical specification
	S 460 NLH	(1.8956)		
Tolerances in dimension and shape	wall thickness	EN 10210-2:2006 article 6		EN 10210-1:2006
	straigthness	EN 10210-2:2006 article 6		
Yield strength [ReH]	nominal wall thickness	actual value		
	(mm)	min (MPa)		
	≤ 16	460		
Tensile strength [Rm]	nominal wall thickness	actual value		
	(mm)	min (MPa)	max (MPa)	
	≤ 16	540	720	
Elongation [A]	nominal wall thickness	actual value		
	(mm)	min (%)		
	≤ 16	17		
Notch impact energy [KV]	nom. wall thickn. ≥ 6mm	actual value		
	test temperature (°C)	min (J)		
	-50	27		
Weldability/ Chemical composition	nominal wall thickness	actual value		
	(mm)	Element	max (%)	
	≤ 16	C	0,22	
		Si	0,60	
		Mn	1,00 - 1,70	
		P	0,030	
		S	0,025	
		Nb	0,050	
		V	0,200	
		Al _{total} min.	0,020	
		Ti	0,03	
		Cr	0,30	
		Ni	0,80	
		Mo	0,10	
Cu	0,70			
N	0,025			
Carbon Equivalent Value CEV	nominal wall thickness	actual value		
	(mm)		max (%)	
	≤ 16		0,53	
Durability: The durability against corrosion depends on the type of protection and/or the thickness of the coating.				

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Rohrwerk Maxhütte GmbH Franz Kunze Straße 1 92237 Sulzbach-Rosenberg	
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CPR-M-015-2007	
EN 10210-1:2006 Warmgefertigte Hohlprofile für den Stahlbau aus unlegierten Baustählen und aus Feinkornbaustählen	
RMH EN 10210-1 - S 460 NLH	
Toleranzen: Streckgrenze: Zugfestigkeit: Bruchdehnung: Kerbschlagarbeit: Schweißseignung: Dauerhaftigkeit:	siehe Leistungserklärung RMH 10210-1 - S 460 NLH
Gefährlicher Stoff:	nicht zutreffend