

(according to regulation EU No 305/2011)

No. LO-001-CPR2025-06-12

1) Code of the product type: **1.0039**

Type: Hot finished structural hollow sections (seamless tubes) S235JRH according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager – LO a.s.

Essential characteristic			Performance	9		Harmonised technical specification
Tolerances on				Values		
dimensions and	Outsid	e diameter	±1%, mir	±0,5 and max	± 10mm	EN 40040 0-2040
shape	Wall t	thickness	- 10% (lo	oc12,5%) / +8	% mass	
	0	vality	-	2%		EN 10210-2:2019
	Strai	ightness	0,2% of to	tal length and	3mm/1m	
	r	Mass	-6% / +8%	6 for particula	r lengths	
Yield strength	Nominal th	nickness (mm)		Values		
	>	≤	ReH min			
			(MPa)			
		16	235			
	16	40	225			<u></u>
Tensile strength	Nominal th	nickness (mm)		Values		
	>	≤	Rm min (MPa)	max	(MPa)	
		100	360	5	10	
Elongation	Nominal th	nickness (mm)		Values		<u> </u>
	>	≤	min (%)			
		40	26			
Impact strength	Nominal th	nickness (mm)		Values		EN 10210-1:2006
	>	≤	KV2Lmin (J)			EN 10210-1.2000
		40	27 at 20°C			
Weldability	Nominal th	nickness (mm)		Values		
	>	≤		max	x (%)	
Chemical		40		C: 0,17	P: 0,040	
composition + CEV				Mn: 1,40 S: 0,040		
(cast analysis)				N* : 0,009		
		16		CEV: 0,37		
	16	40		CEV: 0,39		
		%, N = max.0,012				
	If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.					
Durability			NPD			



(according to regulation EU No 305/2011)

No. LO-002-CPR2025-06-12

1) Code of the product type: **1.0149**

Type: Hot finished structural hollow sections (seamless tubes) S275J0H according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https: libertysteelgroup.com/cz

4) ----

System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar Q/A manager – LO a.s.

Date: 12.06. 2025

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Essential characteristic	Performance					Harmonised technical specification
Tolerances on				Values		
dimensions and	Outside	diameter	±1%, min ±	0,5 and max :	± 10mm	
shape	Wall th	nickness	- 10% (loc.	-12,5%) / +8%	√ mass	EN 10210-2:2019
	Ov	ality		2%		EN 10210-2:2019
	Straig	ghtness	0,2% of tota	l length and	3mm/1m	
ļ	M	lass	-6% / +8% 1	or particular	lengths	
Yield strength	Nominal	thickness		Values	_	
	(r	nm)				
	>	≤	ReH min (MPa)			
ļ		16	275			
	16	40	265			
Tensile strength	Nominal	thickness		Values		
ļ	(r	nm)				
	>	≤	Rm min (MPa)	max ((MPa)	
		3	430		30	
	3	100	410		60	
Elongation		thickness		Values		
ļ	(r	nm)				
	>	≤	min (%)			
		40	23			EN 40040 4 0000
Impact strength		thickness		Values		EN 10210-1:2006
	· ·	nm)				
	>	≤	KV2Lmin (J)			
		40	27 at 0°C			
Weldability		thickness		Values		
	(r	nm)		1		
Chemical	>	≤	max (%)			
composition + CEV		40	C: 0,20 P: 0,035			
(cast analysis)				Mn : 1,50	S: 0,035	
ļ ļ		46		N* : 0,009		
	16	16 40		CEV: 0,41		
		40 %, N = max.0,01	CEV: 0,43			
			2%. N maximum value do	nes not apply		
Durability	/ 1/14 = 2 (1)					



(according to regulation EU No 305/2011)

No. LO-003-CPR2025-06-12

1) Code of the product type: **1.0138**

Type: Hot finished structural hollow sections (seamless tubes) S275J2H according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Date: 12.06. 2025

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Essential characteristic			Performance		Harmonised technical specification
Tolerances on dimensions and		diameter	·	Values 0,5 and max ± 10mm	
shape		nickness	- 10% (loc.	-12,5%) / +8% mass	EN 10210-2:2019
		ality	0.00/ -5+-+-	2% I length and 3mm/1m	
		ghtness lass	,	or particular lengths	
Yield strength	Nomina	thickness nm)	-0707 +0701	Values	
	>	, ≤	ReH min (MPa)		
		16	275		
	16	40	265		
Tensile strength		thickness nm)		Values	
	>	≤	Rm min (MPa)	max (MPa)	
		3	430	580	
	3	100	410	560	
Elongation		thickness nm)		Values	
	^	≤	min (%)		EN 10210-1:2006
		40	23		EN 10210-1.2000
Impact strength		thickness nm)		Values	
	>	≤	KV2Lmin (J)		
		40	27 at -20°C		
Weldability		thickness nm)		Values	
Chemical	>	≤		max (%)	
composition + CEV (cast analysis)		40		C: 0,20 P: 0,030 Mn: 1,50 S: 0,030	
		16		CEV: 0,41	
	16	40		CEV: 0,43	
Durability			NPD		



(according to regulation EU No 305/2011)

No. LO-004-CPR2025-06-12

1) Code of the product type: 1.0493

> Type: Hot finished structural hollow sections (seamless tubes) S275NH according to EN 10210-1:2006

Intended use or uses of the construction product, in 2) accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

Tolerances on dimensions and shape	Essential characteristic			Performance			Harmonised technical specification
Shape	Tolerances on				Values		
Shape	dimensions and	Outside	diameter	±1%, min ±	±1%, min ±0,5 and max ± 10mm		
Ovality Straightness Mass 0,2% of total length and 3mm/1m -6% / +8% for particular lengths	shape	Wall th	hickness				EN 40040 0 0040
Mass	in the second se	O۱	ality	i '			EN 10210-2:2019
Mass		Straig	ghtness	0,2% of tota	I length and	3mm/1m	
Vield strength							
Nominal thickness (mm)	Yield strength	Nominal	thickness			- T	
Tensile strength		(r	nm)				
16		>	≤	ReH min (MPa)			
Tensile strength			16	275			
Chemical Composition + CEV (cast analysis) Compositio		16	40	265			
Blongation	Tensile strength				Values		
Blongation		>	, ≤	Rm min (MPa)	max	(MPa)	
Marcol M			65				
Ingit. Itransv.	Elongation				Values		
Mominal thickness (mm)		>	≤		min (%)		
Impact strength				longit.	traı	nsv.	
(mm) > ≤ KV2Lmin (J) 40 40 at -20°C Weldability Nominal thickness (mm) Values Chemical composition + CEV (cast analysis) > ≤ min (%) max (%) Mn : 0,50 Mn : 1,40 P : 0,035 S : 0,030 Nb : 0,050 V : 0,08 Ti : 0,03 Cr : 0,30 Ni : 0,30 Mo : 0,10 Cu : 0,35 N : 0,015 CEV: 0,40			65	24	2	22	
Nominal thickness (mm) Values Chemical composition + CEV (cast analysis) ≤ min (%) max (%) Mn: 0,50 Mn: 0,50 Nb: 0,050 Nb: 0,030 Nb: 0,050 V: 0,08 Ti: 0,03 Cr: 0,30 Ni: 0,30 Mo: 0,10 N: 0,015 CEV: 0,40 CEV: 0,40	Impact strength	Nominal	thickness		Values		EN 10210-1:2006
Meldability		(r	nm)				
Weldability Nominal thickness (mm) Values Chemical composition + CEV (cast analysis) S ≤ min (%) max (%)		>	_				
(mm) Chemical composition + CEV (cast analysis) ≤ min (%) max (%) 65 Al _{tot} : 0,020 Mn: 0,50 Mn: 1,40 P: 0,035 S: 0,030 Nb: 0,050 V: 0,08 Ti: 0,03 Cr: 0,30 Ni: 0,30 Cr: 0,30 Ni: 0,30 Mo: 0,10 N: 0,015 CEV: 0,40				40 at -20°C			
Chemical composition + CEV (cast analysis) ≤ min (%) max (%) 65 Al _{tot} : 0,020 Mn: 0,50 Mn: 1,40 P: 0,035 S: 0,030 V: 0,08 Ti: 0,03 Cr: 0,30 Mo: 0,10 N: 0,30 Cr: 0,30 Mo: 0,10 N: 0,015 CEV: 0,40	Weldability	Nominal	thickness		Values		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		(r	nm)				
(cast analysis) Mn: 0,50 Mn: 1,40 S: 0,030 V: 0,08 Cr: 0,30 Mo: 0,10 N: 0,015 N: 0,015 CEV: 0,40		>	≤	min (%)	max	(%)	
S: 0,030 V: 0,08 Ti: 0,03 Cr: 0,30 Mo: 0,10 N: 0,015 CEV: 0,40			65				
V: 0,08 Ti: 0,03 Cr: 0,30 Ni: 0,30 Mo: 0,10 Cu: 0,35 N: 0,015 CEV: 0,40	(cast analysis)			Mn : 0,50			
Cr : 0,30 Ni : 0,30 Mo : 0,10 Cu : 0,35 Ni : 0,015 CEV: 0,40							
Mo : 0,10 Cu : 0,35 N : 0,015 CEV: 0,40					,		
N: 0,015 CEV: 0,40					,		
CEV: 0,40						Gu : 0,35	
	Durability		<u> </u>				



(according to regulation EU No 305/2011)

No. LO-005-CPR2025-06-12

1) Code of the product type: **1.0497**

Type: Hot finished structural hollow sections (seamless tubes) S275NLH according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Essential characteristic			Performance			Harmonised technical specification
Tolerances on				Values		
dimensions and	Outside diameter		±1%. min ±	0,5 and max	± 10mm	
shape	Wall t	hickness	· · · · · · · · · · · · · · · · · · ·	-12,5%) / +89		
	0\	ality		2%		EN 10210-2:2019
		ghtness	0,2% of tota	I length and	3mm/1m	
	N	lass	-6% / +8% f	or particular	lengths	
Yield strength		thickness		Values	_	
		nm)	Doll min (MDo)			
	>	<u>≤</u> 16	ReH min (MPa) 275			
	16	40				
Tensile strength		thickness	265	Values		
rensile strength		nm)		values		
	> ''	, ≤	Rm min (MPa)	max	(MPa)	
	-	65	370		10	
Elongation	Nomina	thickness		Values		
J	(r	nm)				
	>	≤		min (%)		
			longit.	traı	nsv.	
		65	24	2	22	
Impact strength		thickness nm)		Values		EN 10210-1:2006
	>	≤	KV2Lmin (J)			
		40	27 at -50°C			
Weldability		thickness		Values		
	(r	nm)		•		
Chemical	>	≤	min (%)		(%)	
composition + CEV (cast analysis)		65	Al _{tot} : 0,020	C: 0,20	Si : 0,40	
(cast allalysis)			Mn : 0,50	Mn : 1,40	P: 0,030	
				S: 0,025 V: 0,08	Nb : 0,050 Ti : 0,03	
				Cr : 0,08	Ni : 0,30	
				Mo : 0,10	Cu : 0,35	
				N : 0,015		
				CEV: 0,40		
Durability			NPD			



(according to regulation EU No 305/2011)

No. LO-006-CPR2025-06-12

1) Code of the product type: 1.0547

> Type: Hot finished structural hollow sections (seamless tubes) \$355J0H according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

		Performance			Harmonised technical specification
			Values		•
Outside diameter		±1%, min ±	0,5 and max	± 10mm	
Wall th	nickness	·			EN 40040 0 0040
Ov	ality	İ	2%		EN 10210-2:2019
Straig	ghtness	0,2% of tota	I length and	3mm/1m	
M	lass		-		
Nominal	thickness		Values		
(r	nm)				
>	≤	ReH min (MPa)			
1	16	355			
16	40	345			
-			Values		
•	, ,	Rm min (MPa)	max	(MPa)	
	3	` '		` '	
3	100	470			
Nominal	thickness		Values		
(r	nm)				
^	≤	min (%)			
	40	22			
Nominal	thickness		Values		EN 10210-1:2006
,					
>					
ļ		27 at 0°C			
			Values		
,	,			(0.1)	
>					
I	40		,		
l .					
	16	-		IN : U,UU9	
40		4			
		001	CEV: 0,47		
11 /1/11 = 2 d1	iu Al = 0,02070,		ies not appry.		
	Wall ti Overline Straig M Nominal (r >	Wall thickness	Outside diameter Wall thickness Ovality Straightness Mass Nominal thickness (mm) >	Outside diameter ±1%, min ±0,5 and max Wall thickness - 10% (loc12,5%) / +8° Ovality 2% Straightness 0,2% of total length and -6% / +8% for particular Nominal thickness (mm) Values > ≤ ReH min (MPa) 16 355 16 40 345 Nominal thickness (mm) > ≤ Rm min (MPa) max 3 510 6 3 100 470 6 Nominal thickness (mm) Values Nominal thickness (mm) Values Nominal thickness (mm) Values Nominal thickness (mm) Values A0 27 at 0°C Nominal thickness (mm) Values > ≤ KV2Lmin (J) A0 27 at 0°C Nominal thickness (m) C : 0,22 Mn : 1,60 Si : 0,55 CEV: 0,45 CEV: 0,47	Values Outside diameter ±1%, min ±0,5 and max ± 10mm Wall thickness -10% (loc12,5%) / +8% mass Ovality 2% Straightness 0,2% of total length and 3mm/1m -6% / +8% for particular lengths Nominal thickness (mm) Values > ≤ ReH min (MPa) max (MPa) 16 355 16 40 3 510 680 3 3 100 470 630 Nominal thickness (mm) > ≤ min (%) A0 22 Nominal thickness (mm) Values Nominal thickness (mm) Values > ≤ KV2Lmin (J) A0 2 Tat 0°C Nominal thickness (mm) Values > ≤ KV2Lmin (J) C: 0,22 Nominal thickness (mm) C: 0,22 P: 0,035 N*: 0,003 Si: 0,55 N*: 0,009 </td



(according to regulation EU No 305/2011)

No. LO-007-CPR2025-06-12

Essential

characteristic

Tolerances on

dimensions and

shape

Viold strongth

Durability

1) Code of the product type: **1.0576**

Type: Hot finished structural hollow sections (seamless tubes) S355J2H according to EN 10210-1:2006

 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Date: 12.06. 2025

Yield Strength	-	i tnickness mm)		values	
	>		ReH min (MPa)		
		16	355		
	16	40	345		
Tensile strength	_	l thickness mm)		Values	
	•	, ,	Rm min (MPa)	max (MPa)	
	>	≤			
		3	510	680	
	3	100	470	630	
Elongation	Nomina	l thickness		Values	
	(1	mm)			
	>	≤	min (%)		
		40	22		EN 10210-1:2006
Impact strength	Nomina	l thickness		Values	
	(1	mm)			
	>	≤	KV2Lmin (J)		
		40	27 at -20°C		
Weldability	Nomina	l thickness		Values	
	(1	mm)			
Chemical	>	≤		max (%)	
composition + CEV		40		C: 0,22 P: 0,030	
(cast analysis)				Mn: 1,60 S: 0,030	
				Si : 0,55	
		16		CEV: 0,45	
	16	40		CEV: 0,47	

NPD

Performance

Outside diameter

Wall thickness

Ovality

Straightness

Mass

Nominal thickness

Values

±1%, min ±0,5 and max ± 10mm

- 10% (loc. -12,5%) / +8% mass

2% 0,2% of total length and 3mm/1m

-6% / +8% for particular lengths

Harmonised technical

specification

EN 10210-2:2019



(according to regulation EU No 305/2011)

No. LO-008-CPR2025-06-12

1) Code of the product type: **1.0539**

Type: Hot finished structural hollow sections (seamless tubes) S355NH according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar Q/A manager – LO a.s.

Essential characteristic			Performance			Harmonised technical specification
Tolerances on				Values		opcomodion
dimensions and	Outside	diameter	±1%, min +	0,5 and max	± 10mm	
shape		hickness		-12,5%) / +8%		
·		ality	1070 (1001	2%	, o macc	EN 10210-2:2019
		ghtness	0.2% of tota	I length and	3mm/1m	
		lass	,	or particular		
Yield strength	Nomina	thickness		Values	- J	
3	(r	nm)				
	>	≤	ReH min (MPa)			
		16	355			
	16	40	345			
Tensile strength		thickness nm)		Values		
	^	≤	Rm min (MPa)	max	(MPa)	
		65	470	6:	30	
Elongation		thickness nm)		Values		
	>	≤		min (%)		
			longit.	trar	nsv.	
		65	22	2	20	
Impact strength	Nomina	thickness		Values		
	(r	nm)				EN 10210-1:2006
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability	Nominal	thickness		Values		
	(r	nm)		T		
Chemical	>	≤	min (%)		(%)	
composition + CEV (cast analysis)		65	Al _{tot} : 0,020	C: 0,20	Si : 0,50	
(cast allalysis)			Mn : 0,90	Mn : 1,65	P: 0,035	
				S: 0,030 V: 0,12	Nb : 0,050 Ti : 0,03	
				Cr : 0,30	Ni : 0,50	
				Mo : 0,10	Cu : 0,35	
				N : 0,020	3,	
		16		CEV: 0,43		
	16	65		CEV: 0,45		
Durability	NPD					



(according to regulation EU No 305/2011)

No. LO-009-CPR2025-06-12

1) Code of the product type: **1.0549**

Type: Hot finished structural hollow sections (seamless tubes) S355NLH according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar Q/A manager – LO a.s.

Date: 12.06. 2025

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Tolerances on Values	
dimensions and Outside diameter ±1%, min ±0,5 and max ± 10mm	
shape Wall thickness - 10% (loc12,5%) / +8% mass	0.0040
Ovality 2% EN 10210	0-2:2019
Straightness 0,2% of total length and 3mm/1m	
Mass -6% / +8% for particular lengths	
Yield strength Nominal thickness Values	
(mm)	
> ≤ ReH min (MPa)	
16 355	
16 40 345	
Tensile strength Nominal thickness (mm) Values	
> ≤ Rm min (MPa) max (MPa)	
65 470 630	
Elongation Nominal thickness Values	
(mm)	
> ≤ min (%)	
longit. transv.	
65 22 20	
Impact strength Nominal thickness (mm) Values EN 10210	0-1:2006
> ≤ KV2Lmin (J)	
40 27 at -50°C	
Weldability Nominal thickness Values	
(mm)	
Chemical > ≤ in (%) max (%)	
composition + CEV 65 Al _{tot} : 0,020 C : 0,18 Si : 0,50	
(cast analysis) Mn : 0,90 Mn : 1,65 P : 0,030	
S: 0,025 Nb: 0,050	
V: 0,12 Ti: 0,03	
Cr : 0,30 Ni : 0,50 Mo : 0,10 Cu : 0,35	
N: 0,020	
16 CEV: 0,43	
16 65 CEV: 0,45	
Durability NPD	



(according to regulation EU No 305/2011)

No. LO-022-CPR2025-06-12

1) Code of the product type: **1.0512**

Type: Hot finished structural hollow sections (seamless tubes) S355K2H according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

- System of assessment and verification of constancy of performance of the product: System 2+
- 6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager - LO a.s.

Essential characteristic			Harmonised technical specification		
Tolerances on				Values	opeomediion
dimensions and	Outside	diameter	+1% min +	0,5 and max ± 10mm	
shape		nickness		-12,5%) / +8% mass	
		ality	1070 (100.	2%	EN 10210-2:2019
		ghtness	0.2% of tota	Il length and 3mm/1m	
		ass		for particular lengths	
Yield strength		thickness	-0 /0 / +0 /0 I	Values	
riela strength		nm)		values	
	<u>''</u>	, ≤	ReH min (MPa)		
		16	355		
	16	40	345		
Tensile strength		thickness	343	Values	
Tensile strength		nm)		values	
	>	≤	Rm min (MPa)	max (MPa)	
		3	510	680	
	3	100	470	630	
Elongation	Nominal	thickness		Values	
	(r	nm)			
	>	≤	min (%)		
		40	22		EN 10210-1:2006
Impact strength		thickness		Values	
		nm)			
	>	≤	KV2Lmin (J)		
		40	40 at -20°C		
Weldability		thickness	Values		
Chemical		nm)			
	>	≤		max (%)	
composition + CEV (cast analysis)		40		C: 0,22 P: 0,030	
(Gast allalysis)				Mn: 1,60 S: 0,030	
		40		Si : 0,55	
	40	16	_	CEV: 0,45	
Durchility	16	40	NPD	CEV: 0,47	
Durability			NPU		



(according to regulation EU No 305/2011)

No. LO-023-CPR2025-06-12

1) Code of the product type: 1.8750

> Type: Hot finished structural hollow sections (seamless tubes) S420NH according to EN 10210-1:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

- 5) System of assessment and verification of constancy of performance of the product: System 2+
- EN 10210-1:2006, EN 10210-2:2019 6)

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager - LO a.s.

Essential			Harmonised technical			
characteristic			Performance	•		specification
Tolerances on				Values		Specification
dimensions and	Outside	diameter	±1%, min ±0		r + 10mm	
shape		nickness	- 10% (loc.			
		ality	10,0 (.00.	2%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	EN 10210-2:2019
		htness	0,2% of total	length and	l 3mm/1m	
		ass	-6% / +8% fe	•		
Yield strength	Nominal	thickness		Values		
	(n	nm)				
	>	≤	ReH min (MPa)			
		16	420			
	16	40	400			
Tensile strength	Nominal	thickness		Values		
· ·	(n	nm)				
	>	≤	Rm min (MPa)	max	(MPa)	
		65	`520 ´	68	80	
Elongation	Nominal	thickness		Values		
J	(n	nm)				
	>	≤		min (%)		
			longit.	trar	isv.	
		65	19	1	7	
Impact strength	Nominal	thickness		Values		EN 10210-1:2006
-	(r	nm)				
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability		thickness		Values		
	(r	nm)		1		
Chemical	^	≤	min (%)		(%)	
composition + CEV		65	Al _{tot} : 0,020	C: 0,22		
(cast analysis)			Mn : 1,00	Mn : 1,70		
(odst dildiysis)				S: 0,030 V: 0,20	Nb: 0,050 Ti: 0,03	
				Cr : 0,20	Ni : 0,80	
				Mo : 0,10		
				N: 0,025		
		16		CEV: 0,50		
	16	65		CEV: 0,52		
Durability		L	NPD	, , , , ,		



(according to regulation EU No 305/2011)

No. LO-024-CPR2025-06-12

1) Code of the product type: **1.8751**

Type: Hot finished structural hollow sections (seamless tubes) **S420NLH according to EN 10210-1:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

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Essential	1		Performance			Harmonised technical
characteristic			remormance	;		specification
Tolerances on				Values		Specification
dimensions and	Outside	diameter	±1%, min ±0		t ± 10mm	
shape		nickness	- 10% (loc.			
		ality	10,0 (.00.	2%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	EN 10210-2:2019
		ghtness	0,2% of total	length and	l 3mm/1m	
	-	ass	-6% / +8% fe	-		
Yield strength	Nominal	thickness		Values		
	(n	nm)				
	>	≤	ReH min (MPa)			
		16	420			
	16	40	400			
Tensile strength		thickness		Values		
		nm)		1		
	>	≤	Rm min (MPa)	max	(МРа)	
		65	(MFa) 520	6	30	
Elongation	Nominal	thickness	320	Values	<u> </u>	
Liongation		nm)		Valuoo		
	>	, ≤		min (%)		
			longit.	traı	isv.	
		65	19	1	7	
Impact strength		thickness nm)		Values		EN 10210-1:2006
	>	≤	KV2Lmin (J)			
		40	27 at -50°C			
Weldability	-	thickness nm)		Values		
Chemical	>	≤	min (%)	max	x (%)	
composition +		65	Al _{tot} : 0,020	C: 0,22	Si : 0,60	
CEV			Mn : 1,00	Mn : 1,70	,	
(cast analysis)					Nb : 0,050	
				V: 0,20 Cr: 0,30	Ti : 0,03 Ni : 0,80	
				Mo : 0,10		
				N: 0,025	24.0,70	
		16		CEV: 0,50		
	16	65		CEV: 0,52		
Durability			NPD			



(according to regulation EU No 305/2011)

No. LO-025-CPR2025-06-12

1) Code of the product type: **1.8953**

Type: Hot finished structural hollow sections (seamless tubes) **S460NH according to EN 10210-1:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https: libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager – LO a.s.

Essential characteristic	Performance					Harmonised technical specification
Tolerances on	Values			opeomedien.		
dimensions and	Outside	de diameter ±1%, min ±0,5 and max ± 10mm				
shape		hickness	- 10% (loc.			
		ality	- 10 /8 (100.	2%	J/0 IIIass	EN 10210-2:2019
		ghtness	0,2% of total		1 3mm/1m	
		lass	-6% / +8% f			
Yield strength		thickness	-0/8/ T 0/810	Values	lenguis	
riela streligar		nm)		values		
	>	≤	ReH min (MPa)			
		16	460			
	16	40	440			
Tensile strength	Nominal	thickness		Values		
	(r	nm)				
	>	≤	Rm min (MPa)	max	(MPa)	
		65	540	7	20	
Elongation	Nominal	thickness	040	Values		
Liongation		nm)		Values		
	> ,	≤		min (%)		
			longit.	traı	nsv.	
		65	17	1	5	
Impact strength	-	thickness		Values		EN 10210-1:2006
	>	, ≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability	-	thickness		Values		
Ch amia al		nm)		ı	(0.1)	
Chemical	>	≤	min (%)		(%)	
composition + CEV		65	Al _{tot} : 0,020	C: 0,22		
(cast analysis)			Mn : 1,00	Mn : 1,70		
(oust unurysis)				S: 0,030 V: 0,20	Nb: 0,050 Ti: 0,03	
				Cr : 0,30	Ni : 0,80	
				Mo : 0,10		
				N: 0,025		
		16		CEV: 0,53		
ı	16	65		CEV: 0,55		
Durability		NPD				



(according to regulation EU No 305/2011)

No. LO-026-CPR2025-06-12

1) Code of the product type: **1.8956**

Type: Hot finished structural hollow sections (seamless tubes) **S460NLH according to EN 10210-1:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10210-1:2006, EN 10210-2:2019

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar Q/A manager – LO a.s.

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Essential characteristic	Performance					Harmonised technical specification
Tolerances on	Values					
dimensions and	Outside	diameter	±1%, min ±0		± 10mm	
shape	Wall th	nickness	- 10% (loc.	•		
•		ality	1070 (1001	2%	70 111400	EN 10210-2:2019
		htness	0,2% of total		I 3mm/1m	
	•	ass	-6% / +8% fo	•		
Yield strength		thickness	0,0,10,010	Values	ogc	
riora otrongui	-	nm)		raiaco		
	> `	, ≤	ReH min (MPa)			
		16	`460´			
	16	40	440			
Tensile strength	Nominal	thickness		Values		
	(n	nm)				
	۸	М	<i>R</i> m min (MPa)		(MPa)	
		65	540	720		
Elongation		thickness nm)		Values		
	>	≤		min (%)		
			longit.	trar	isv.	
		65	17	1	5	
Impact strength		thickness nm)		Values		EN 10210-1:2006
	۸	≤	KV2Lmin (J)			
	-	40	27 at -50°C			
Weldability	-	thickness nm)		Values		
		_	min (%)		(%)	
Chemical	>	≤	111111 (70)	max	(1/0)	
composition +	>	<u>≤</u> 65	Al _{tot} : 0,020	C: 0,22	` '	
composition + CEV	>			C: 0,22 Mn: 1,70	Si: 0,60 P: 0,030	
composition +	>		Al _{tot} : 0,020	C: 0,22 Mn: 1,70 S: 0,025	Si: 0,60 P: 0,030 Nb: 0,050	
composition + CEV	>		Al _{tot} : 0,020	C: 0,22 Mn: 1,70 S: 0,025 V: 0,20	Si: 0,60 P: 0,030 Nb: 0,050 Ti: 0,03	
composition + CEV	>		Al _{tot} : 0,020	C: 0,22 Mn: 1,70 S: 0,025 V: 0,20 Cr: 0,30	Si: 0,60 P: 0,030 Nb: 0,050 Ti: 0,03 Ni: 0,80	
composition + CEV	>		Al _{tot} : 0,020	C: 0,22 Mn: 1,70 S: 0,025 V: 0,20 Cr: 0,30 Mo: 0,10	Si: 0,60 P: 0,030 Nb: 0,050 Ti: 0,03 Ni: 0,80	
composition + CEV	>	65	Al _{tot} : 0,020	C: 0,22 Mn: 1,70 S: 0,025 V: 0,20 Cr: 0,30 Mo: 0,10 N: 0,025	Si: 0,60 P: 0,030 Nb: 0,050 Ti: 0,03 Ni: 0,80	
composition + CEV	> 		Al _{tot} : 0,020	C: 0,22 Mn: 1,70 S: 0,025 V: 0,20 Cr: 0,30 Mo: 0,10	Si: 0,60 P: 0,030 Nb: 0,050 Ti: 0,03 Ni: 0,80 Cu: 0,70	



(according to regulation EU No 305/2011)

No. LO-010-CPR2025-06-12

Essential

characteristic

Tolerances on

dimensions and

shape

1) Code of the product type: **1.0039**

Type: Cold formed welded structural hollow sections (SAWH tubes) **S235JRH according to EN 10219:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

System of assessment and verification of constancy of performance of the product: System 2+

6) EN 10219-1:2006, EN 10219-2:2006

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-2. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager - LO a.s.

Date: 12.06, 2025

	Wall t	hickness	r	nax ±2mm	EN 10219-2:2006
	O,	vality	2%, for D/T	≥100 must be agreed	
	Strai	ghtness	0,20% of total	al length and 3mm/1m	
	N	lass	±6% for	particular lengths	
Yield strength	Nomina	l thickness		Values	
	(1	mm)			
	>	≤	ReH min (MPa)		
		16	235		
	16	40	225		
Tensile strength	Nomina	I thickness		Values	
	(1	mm)			
	^	≤	Rm min (MPa)	max (MPa)	
		40	360	510	
Elongation	Nomina	l thickness		Values	
	(mm)				
	>	≤	min (%)		
		40	24		EN 40040 4-0000
Impact strength	-	l thickness mm)		Values	EN 10219-1:2006
	>	≤	KV2Lmin (J)		
		40	27 at 20°C		
Weldability	-	l thickness mm)		Values	
Chemical	>	≤		max (%)	
composition + CEV		40		C: 0,17 P: 0,040	
(cast analysis)				Mn: 1,40 S: 0,040	
				N* : 0,009	
				CEV: 0,35	
	*If AI/N ≥ 2 a	nd AI ≥ 0,020%,	N maximum value do	pes not apply.	
Durability					

Performance

Outside diameter

Values

±1%, min ±0,5 and max ± 10mm

For D≤406,4mm: T≤5mm ±10% and

T>5mm ±5mm; for D<406,4mm: ±10% and

Harmonised technical

specification

FN 10219-2:2006



(according to regulation EU No 305/2011)

No. LO-011-CPR2025-06-12

1) Code of the product type: 1.0149

> Type: Cold formed welded structural hollow sections (SAWH tubes) **S275J0H according to EN 10219:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product: System 2+

6) EN 10219-1:2006. EN 10219-2:2006

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-2. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

Essential characteristic			Performance			Harmonised technical specification
Tolerances on				Values		specification
dimensions and	Outoida	diameter	±40/ min ±	values 0,5 and max :		
shape	Outside	ulameter				
Shape			For D≤406,4r			
	Wall 4	nickness	T>5mm ±5mm; f	or D<406,4mi nax ±2mm	m: ±10% and	EN 10219-2:2006
			·			
		ality		≥100 must be		
	-	ghtness	,	al length and		
		ass	±6% for	particular len	gths	
Yield strength		thickness		Values		
	(r	nm)				
	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength	Nominal	thickness		Values		
	(r	nm)				
	>	≤	Rm min (MPa)	max (MPa)	
		40	410	56	60	
Elongation	Nominal	thickness		Values		
	(r	nm)				
	>	≤	min (%)			
		40	20			EN 10219-1:2006
Impact strength	Nominal	thickness		Values		EN 10219-1:2006
	(r	nm)				
	> `	, ≤	KV2Lmin (J)			
		40	27 at 0°C			
Weldability	Nominal	thickness		Values		
,	(r	nm)				
Chemical	> `	, ≤		max	(%)	
composition + CEV		40	1	C: 0,20	P: 0,035	
(cast analysis)				Mn : 1,50	S: 0,035	
				N* : 0,009	, i	
				CEV: 0,40		
	*If Al/N ≥ 2 ar	nd AI ≥ 0,020%,	N maximum value do			
Durability			NPD			



(according to regulation EU No 305/2011)

No. LO-012-CPR2025-06-12

1) Code of the product type: 1.0138

> Type: Cold formed welded structural hollow sections (SAWH tubes) **S275J2H according to EN 10219:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product: System 2+

6) EN 10219-1:2006. EN 10219-2:2006

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-2. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

Essential characteristic			Performance			Harmonised technical specification
Tolerances on dimensions and shape	Wall to	e diameter hickness vality ghtness	Values ±1%, min ±0,5 and max ± 10mm For D≤406,4mm: T≤5mm ±10% and T>5mm ±5mm; for D<406,4mm: ±10% and max ±2mm 2%, for D/T≥100 must be agreed 0,20% of total length and 3mm/1m			EN 10219-2:2006
Yield strength		lass I thickness	±6% for	particular len Values	gths	
ricia stretigui		nm)		v aluc3		
	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength		l thickness mm)		Values		
	>	≤	Rm min (MPa)	max (•	
F1 (1		40	410	56	50	
Elongation		l thickness mm)		Values		
	>	≤	min (%)			EN 10219-1:2006
		40	20			
Impact strength		l thickness mm)		Values		
	>	≤	KV2Lmin (J)			
		40	27 at -20°C			
Weldability		l thickness nm)	Values			
Chemical	>	≤	max (%)			
composition + CEV (cast analysis)		40	C: 0,20 P: 0,030 Mn: 1,50 S: 0,030 CEV: 0,40			
Durability		1	NPD	, ,		



(according to regulation EU No 305/2011)

No. LO-013-CPR2025-06-12

1) Code of the product type: 1.0547

> Type: Cold formed welded structural hollow sections (SAWH tubes) \$355J0H according to EN 10219:2006

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product System 2+:

6) EN 10219-1:2006. EN 10219-2:2006

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- Certificate No. 0045-CPR-0807-2. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

Essential characteristic			Performance		Harmonised technical specification
Tolerances on dimensions and	Outside	diameter	±1%. min ±	Values 0,5 and max ± 10mm	
shape		nickness	For D≤406,4r T>5mm ±5mm; f	nm: T≤5mm ±10% and for D<406,4mm: ±10% and max ±2mm	EN 10219-2:2006
	Straiç	ality ghtness lass	0,20% of tota	≥100 must be agreed al length and 3mm/1m	
Yield strength	Nominal	thickness nm)	16% 101	particular lengths Values	
	>	≤ 16	ReH min (MPa) 355		
	16	40	345		
Tensile strength		thickness nm)		Values	
	۸	≤	Rm min (MPa)	max (MPa)	
		40	470	630	
Elongation		thickness nm)		Values	
	>	≤	min (%)		
		40	20		EN 10219-1:2006
Impact strength		thickness nm)		Values	
	>	≤	KV2Lmin (J)		
<u> </u>		40	27 at 0°C		
Weldability		thickness		Values	
Chemical	•	nm)			
composition + CEV	>	≤	=	max (%)	
(cast analysis)		40		C: 0,22 P: 0,035	
(3001 01101)				Mn : 1,60 S : 0,035 Si : 0,55 N* : 0,009	
				CEV: 0,45	
	*If AI/N ≥ 2 ar	nd AI ≥ 0,020%,			
Durability			NPD		



(according to regulation EU No 305/2011)

No. LO-014-CPR2025-06-12

1) Code of the product type: **1.0576**

Type: Cold formed welded structural hollow sections (SAWH tubes) **S355J2H according to EN 10219:2006**

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s.
Vratimovska 689/117
719 00 Ostrava - Kuncice - Czech Republic
Tel: +420 595 682 151, Fax:+420 596 237 980
https: libertysteelgroup.com/cz

4) ----

- System of assessment and verification of constancy of performance of the product System 2+:
- 6) EN 10219-1:2006, EN 10219-2:2006

Notified factory production control certification body No. 0045 TÜV NORD performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) Certificate No. 0045-CPR-0807-2. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager - LO a.s.

Date: 12.06. 2025

Characteristic						apecinication
Tolerances on				Values		
dimensions and	Outside	e diameter	±1%, min ±	0,5 and max :	± 10mm	
shape			For D≤406,4r	mm: T≤5mm :	է10% and	
			T>5mm ±5mm; f	for D<406,4m	m: ±10% and	EN 10219-2:2006
	Wall t	hickness	ı	max ±2mm		EN 10219-2.2006
	O	<i>r</i> ality	2%, for D/T	≥100 must be	agreed	
	Straig	ghtness		al length and		
		lass	±6% for	particular ler	gths	
Yield strength	Nomina	l thickness		Values		
	(1	nm)				
	^	≤	ReH min (MPa)			
		16	355			
	16	40	345			
Tensile strength	Nomina	l thickness		Values		
	(1	nm)				
	^	≤	Rm min (MPa)	max	(MPa)	
		40	470		30	
Elongation		l thickness		Values		
	(1	mm)				
	>	≤	min (%)			
		40	20			EN 10219-1:2006
Impact strength		l thickness		Values		
	•	nm)	10.01 : (1)	Г		
	>	≤	KV2Lmin (J)			
		40	27 at -20°C			
Weldability		l thickness		Values		
Chemical	•	mm)			. (0/)	
composition + CEV	>	≤	max (%)			
(cast analysis)		40		C: 0,22	P: 0,030	
(oast analysis)				Mn : 1,60 Si : 0,55	S: 0,030	
				CEV: 0,45		
Durability		l	NPD	JEV. 0,43		
Durability						

Performance

Essential

characteristic

Harmonised technical

specification



(according to regulation EU No 305/2011)

No. LO-015-CPR2025-06-12

Essential

characteristic

Tolerances on

1) Code of the product type: 1.0252

> Type: Non-alloy seamless steel tubes L235 according to EN 10224:2002 + A1:2005

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product: System 4

6) EN 10224:2002 + A1:2005

The initial type testing was performed by the manufacturer whereas LO a.s. performs permanent surveillance, assessment, and evaluation of factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

Date: 12.06, 2025

TOTEL ALICES OF				Values		
dimensions and	Outside	e diameter	±1% c	or min ±0,5 m	m	
shape	Wall t	hickness	EN 10224:20	EN 10224:2002 + A1:2005, table 7		EN 10224:2002 + A1:2005
	Out of I	roundness	2% m	2% max for D/T≤100		
	Strai	ghtness	0,2% L			
Yield strength	Nomina	l thickness	Values			
•	(1	mm)				
	>		ReH min (MPa)			
		16	235			
	16		225			
Tensile strength	Nomina	I thickness		Values		
•	(1	mm)				
	≥	≤	Rm min (MPa)	max	(MPa)	
	2,0	25,0	360	50	00	
Elongation	Nomina	l thickness		Values		
		mm)				
	≥	≤	long. min (%)	transv.	min (%)	
	2,0	25,0	25	2	3	
Flattening test	-	l thickness		Test		
		mm)				
	>	≤				
	2,0	25,0		no cracks		
Reaction to fire	-	l thickness	Mandated cla	ass as per 96	/303/EEC	
		mm)				EN 10224:2002 + A1:2005
	≥	≤	_	Class A4		
	2,0	25,0		Class A1		
Tightness		l thickness		Test		
		mm)	Uludus statis tast	-4	TMD-/F-	
	≥	≤	Hydrostatic test	at a minimur acc. with EN		
	2,0	25,0	OI EWIT III a		10240-1	
Dangerous substances	-	l thickness mm)		Values		
	≥ .	≤	Any dang. sub	stances in ex	cess of the	
	2,0	25,0	max. permit	ted levels spe	ecified in	
		-	relevant l	European sta	ndard	
Chemical		l thickness		Values		
composition		mm)				
(cast analysis)	≥	≤			(%)	
	2,0	25,0		C: 0,16	P: 0,030	
				Mn : 1,20	S: 0,025	
				Si : 0,35		
Durability	NPD					

Performance

Values

Harmonised technical

specification



(according to regulation EU No 305/2011)

No. LO-016-CPR2025-06-12

1) Code of the product type: **1.0260**

Type: Non-alloy seamless steel tubes L275 according to EN 10224:2002 + A1:2005

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/177

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https: libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 4

6) EN 10224:2002 + A1:2005

The initial type testing was performed by the manufacturer whereas LO a.s. performs permanent surveillance, assessment, and evaluation of factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Date: 12.06, 2025

	Essential characteristic	Performance					Harmonised technical specification
	Tolerances on	Values				•	
	dimensions and	Outside	diameter	±1% (or min ±0,5 m	m	
	shape		all thickness EN 10224:2002 + A1:2005, table 7			EN 10224:2002 + A1:2005	
		Out of r	oundness	2% max for D/T≤100			
			htness		0,2% L		
	Yield strength		thickness		Values		
			nm)				
		> `	, 	ReH min (MPa)			
			16	275			
		16	-	265			
F	Tensile strength	Nominal	thickness		Values		
	J	(r	nm)				
		≥ `	, ≤	Rm min (MPa)	max	(MPa)	
		2,0	25,0	430	57	70	
	Elongation	Nominal	thickness		Values		
	•	(r	nm)				
		≥	≤	long. min (%)	transv.	min (%)	
		2,0	25,0	21		9	
	Flattening test		thickness		Test		
		(r	nm)				
		>	≤				
		2,0	25,0		no cracks		
	Reaction to fire		thickness	Mandated cla	ass as per 96	/303/EEC	
			nm)				EN 10224:2002 + A1:2005
		≥	≤		Class A1		
-	-	2,0	25,0				
	Tightness		thickness		Test		
		<u>'</u> ≥	nm)	Hydrostatic test	at a minimus	m of 7MDo/Fo	
			≤		at a minimur acc. with EN		
-	Dan manaua	2,0	25,0 thickness	OI LIVIT III 8	Values	10240-1	
	Dangerous substances		mm)		values		
	Substances	<u>'</u> ≥	, ,	Any dang. sub	stances in ex	rooss of the	
			≤		ted levels sp		
		2,0	25,0		European sta		
H	Chemical	Nominal	thickness		Values		
	composition		nm)				
	(cast analysis)	≥ `			max	(%)	
		2,0	25,0	1	C: 0,20	P: 0,030	
		,-			Mn: 1,40	S: 0,025	
					Si: 0,40		
	Durability						

Performance

Harmonised technical

Feeential



(according to regulation EU No 305/2011)

No. LO-017-CPR2025-06-12

1) Code of the product type: 1.0419

> Type: Non-alloy seamless steel tubes L355 according to EN 10224:2002 + A1:2005

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

5) System of assessment and verification of constancy of performance of the product: System 4

6) EN 10224:2002 + A1:2005

The initial type testing was performed by the manufacturer whereas LO a.s. performs permanent surveillance, assessment, and evaluation of factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s.

Michal Kolar Q/A manager - LO a.s.

Essential			Performance		Harmonised technical
characteristic					specification
Tolerances on				Values	
dimensions and		diameter		or min ±0,5 mm	
shape	Wall th	nickness		002 + A1:2005, table 7	EN 10224:2002 + A1:2005
	Out of r	oundness	2% m	ax for D/T≤100	
	Straig	ghtness		0,2% L	
Yield strength	Nominal	thickness		Values	
	(r	nm)			
	^	≤	ReH min (MPa)		
		16	355		
	16		345		
Tensile strength	Nominal	thickness		Values	
	(r	nm)			
	N	≤	Rm min (MPa)	max (MPa)	
	2,0	25,0	500	650	
Elongation		thickness		Values	
		nm)			
	2	≤	long. min (%)	transv. min (%)	
	2,0	25,0	21	19	
Flattening test		thickness		Test	
		nm)			
	>	≤			
D (1 ()	2,0	25,0		no cracks	
Reaction to fire		thickness nm)	Mandated cla	ass as per 96/303/EEC	EN 10224:2002 + A1:2005
	≥ `	, ≤			
	2.0	25.0		Class A1	
Tightness	Nominal	thickness		Test	
	(r	nm)			
		≤	Hydrostatic test	at a minimum of 7MPa/5s	
	2,0	25,0	or EMT in a	icc. with EN 10246-1	
Dangerous	Nominal	thickness		Values	
substances	(r	nm)			
	2		Any dang. sub	stances in excess of the	
	2,0	25,0		ed levels specified in	
			relevant E	European standard	
Chemical		thickness		Values	
composition		nm)			
(cast analysis)	≥	≤] [max (%)	
	2,0	25,0		C: 0,22 P: 0,030	
				Mn: 1,60 S: 0,025	
				Si : 0,55	
Durability			NPD		



(according to regulation EU No 305/2011)

No. LO-018-CPR2025-06-12

Essential

1) Code of the product type: **1.0252**

Type: Non-alloy welded steel tubes L235 according to EN 10224:2002 + A1:2005

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s.
Vratimovska 689/117
719 00 Ostrava - Kuncice - Czech Republic
Tel: +420 595 682 151, Fax:+420 596 237 980
https: libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 4

6) EN 10224:2002 + A1:2005

The initial type testing was performed by the manufacturer whereas LO a.s. performs permanent surveillance, assessment, and evaluation of factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Date: 12.06, 2025

characteristic						specification
Tolerances on				Values		
dimensions and	Outside	diameter	±0,75%	6, max ± 6,0 mm		
shape	Wall thickness			±7,5%	EN 10	224.2002 . 44.2005
			2% max for D/Ts	100, for D/T>100 mι	st be	EN 10224:2002 + A1:2005
	Out of r	oundness		agreed		
	Straig	ghtness		0,2% L		
Yield strength	Nominal	thickness		Values		
	(mm)					
	>	≤	ReH min (MPa)	ReH min (MPa)		
		16	235			
	16		225			
Tensile strength	Nominal	thickness		Values		
	(r	nm)				
	≥	≤	Rm min (MPa)	max (MPa)		
	2,0	25,0	360	500		
Elongation	Nominal	thickness		Values		
	(r	nm)				
	≥	≤	long. min (%)	min (%) transv. min (%)		
	2,0	25,0	25	23		
Bending		thickness	Test			
test		nm)				
	>	≤				
	2,0	25,0		no cracks		
Reaction to fire		thickness	Mandated cl	ass as per 96/303/EE		
		nm)			EN 10	224:2002 + A1:2005
	≥	≤	4	Class A1		
- 1.4	2,0	25,0				
Tightness		thickness		Test		
		nm)	Harden et et e te et	-1	D - /F -	
	≥	≤		at a minimum of 7M		
	2,0	25,0	OF EIVIT IN			
Dangerous		thickness		Values		
substances		nm)	A I		di-	
	≥	≤		stances in excess or ted levels specified		
	2,0	25,0		European standard	n	
Chemical	Nominal	thickness	TCICVAIIL	Values		
composition		nm)		values		
(cast analysis)	≥ '.	≤		max (%)		
(**************************************	2,0	25,0	-	C: 0,16 P:0	030	
	2,0	25,0		Mn: 1,20 S: 0		
				Si : 0,35		
Durability		1	NPD	,		
	l					

Performance

Harmonised technical



(according to regulation EU No 305/2011)

No. LO-019-CPR2025-06-12

Essential

characteristic

1) Code of the product type: **1.0260**

Type: Non-alloy welded steel tubes L275 according to EN 10224:2002 + A1:2005

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4) ----

- 5) System of assessment and verification of constancy of performance of the product: System 4
- 6) EN 10224:2002 + A1:2005

The initial type testing was performed by the manufacturer whereas LO a.s. performs permanent surveillance, assessment, and evaluation of factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Date: 12.06, 2025

characteristic					specification
Tolerances on				Values	
dimensions and	Outside	e diameter	±0,75%	6, max ± 6,0 mm	
shape	Wall thickness			±7,5%	EN 10224:2002 + A1:2005
			2% max for D/Ts	≤100, for D/T>100 must be	EN 10224:2002 + A1:2005
	Out of I	roundness		agreed	
	Strai	ghtness		0,2% L	
Yield strength	Nomina	l thickness		Values	
_	(1	mm)			
	>	≤	ReH min (MPa)		
		16	275		
	16		265		
Tensile strength	Nomina	I thickness		Values	
J	(1	mm)			
	≥	≤	Rm min (MPa)	max (MPa)	
	2,0	25,0	430	570	
Elongation	Nomina	l thickness		Values	
	(1	mm)			
	≥	≤	long. min (%)	transv. min (%)	
	2,0	25,0	21	19	
Bending	Nomina	l thickness	Test		
test	(1	mm)			
	>	≤			
	2,0	25,0		no cracks	
Reaction to fire	Nomina	l thickness	Mandated cl	ass as per 96/303/EEC	
	(1	mm)			EN 10224:2002 + A1:2005
	≥	≤			
	2,0	25,0		Class A1	
Tightness		l thickness		Test	
		mm)			
	≥	≤		at a minimum of 7MPa/5s	
	2,0	25,0	or EMT in a	acc. with EN 10246-1	
Dangerous		l thickness		Values	
substances		mm)			
	≥	≤		stances in excess of the	
	2,0	25,0		ted levels specified in	
O			relevant	European standard	
Chemical		l thickness		Values	
composition (cast analysis)		mm)		··· • · · · (0/)	
(cast allalysis)	≥	≤	4	max (%)	
	2,0	25,0		C: 0,20 P: 0,030	
]			Mn : 1,40 S : 0,025 Si : 0,40	
Durability	1	<u> </u>	NPD	31 . 0,40	
טעומטווונץ	<u> </u>		משא		

Performance

Harmonised technical

specification



(according to regulation EU No 305/2011)

No. LO-020-CPR2025-06-12

1) Code of the product type: **1.0419**

Type: Non-alloy welded steel tubes L355 according to EN 10224:2002 + A1:2005

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https: libertysteelgroup.com/cz

4) ----

5) System of assessment and verification of constancy of performance of the product: System 4

6) EN 10224:2002 + A1:2005

The initial type testing was performed by the manufacturer whereas LO a.s. performs permanent surveillance, assessment, and evaluation of factory production control.

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. **Michal Kolar** Q/A manager – LO a.s.

Date: 12.06, 2025

characteristic	renormance					specification	
Tolerances on	Values					•	
dimensions and	Outside diameter		±0,75%, max ± 6,0 mm			EN 10224:2002 + A1:2005	
shape	Wall thickness		±7,5%				
			2% max for D/T≤100, for D/T>100 must be				
	Out of roundness		agreed				
	Straightness		0,2% L				
Yield strength	Nominal thickness (mm)		Values				
	(mm) > ≤		ReH min (MPa)				
		<u>></u> 16	355				
	16	10	345				
Tensile strength			343	Values			
rensile strength	Nominal thickness (mm)		Values				
	≥ (Rm min (MPa)	max (MPa)			
	2,0	25,0	500		50	1	
Elongation	Nominal	thickness					
Ū	(mm)						
	≥	≤	long. min (%)	transv.	min (%)		
	2,0	25,0	21	19			
Bending	Nominal thickness		Test				
test	(mm)						
	>	≤					
	2,0	25,0	no cracks				
Reaction to fire	Nominal thickness		Mandated class as per 96/303/EEC		EN 10224:2002 + A1:2005		
	(mm)						
	≥	≤	01 44				
	2,0 25,0		Class A1				
Tightness	Nominal thickness		Test				
	(mm) 2 <		Hydrostatic toot	at a minim			
		≤	Hydrostatic test at a minimum of 7MPa/5s or EMT in acc. with EN 10246-1				
Dongorous	2,0 25,0 Nominal thickness		Values				
Dangerous substances	(mm)		values				
	≥ (1)) ≤	Any dang. substances in excess of the				
	2,0	25,0	max. permitted levels specified in				
	,	,	relevant European standard				
Chemical		thickness	Values				
composition	(mm)						
(cast analysis)	≥	≤			x (%)		
	2,0	25,0		C: 0,22	P: 0,030		
				Mn : 1,60	S: 0,025		
Daniel III			NPD	Si : 0,55			
Durability							

Performance

Harmonised technical

Essential



(according to regulation EU No 305/2011)

No. LO-021-CPR2025-06-12

Essential

characteristic

Tolerances on

1) Code of the product type: 1.0026

> Type: Non-alloy steel tubes S195T according to EN 10255:2004 + A1:2007

2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded structures

3) Liberty Ostrava a.s. Vratimovska 689/117

> 719 00 Ostrava - Kuncice - Czech Republic Tel: +420 595 682 151, Fax:+420 596 237 980 https://libertysteelgroup.com/cz

4)

System of assessment and verification of constancy of 5) performance of the product: System 3 6)

EN 10255:2004 + A1:2007

The initial type testing was performed by notified test laboratory and manufacturer whereas the internal factory production control is under permanent surveillance and assessment of the manufacturer. In addition, the certification body No. 0045 TÜV NORD issued certificate of conformity with requirements acc. to DIN EN 10255:2004+A1:2007

- 7) The performance of the product identified in point 1) is in conformity with the declared performance in the table.
- 8) TÜV file 1326WL31702. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Marian Kubes Q-Engineer – LO a.s. Michal Kolar

Q/A manager - LO a.s.

Date: 12.06. 2025

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dimensions and	Outside diameter		EN 10255:2004 + A1:2007, Table 2			EN 10255:2004 + A1:2007
shape	Wall thickness		+12,5% / -12,5%			
	Out of roundness		Included in diameter tolerance			
	Straightness		0,002L			
	Mass		EN 10255:2004 + A1:2007, Table 2			
Yield strength	Nominal thickness		Values			
-	(mm)					
	≥	≤	ReH min			
			(MPa)			
	2,0	5,4	195			
Tensile strength	Nominal thickness		Values			
	(mm)					
	≥	≤	Rm min	max	(MPa)	
			(MPa)	_		
	2,0	5,4	320	520		I
Elongation	Nominal thickness		Values			
	(mm)		i (0/)			
	≥	≤ 5.4	min (%)			
Desertion to Con-	2,0	5,4	20			
Reaction to fire	Nominal thickness		Mandated class as per 96/303/EEC			
	(mm) ≥		96/303/EEC			
	2.0	≤ 5.4	Class A1			EN 10255:2004 + A1:2007
Tightness	Nominal thickness		Test			
Tightness	(mm)					
	≥	≤	Hydrostatic test at a minimum of 5MPa/5s			
	2,0 5,4		or EMT in acc. With EN 10246-1			
Dangerous	Nomina	l thickness	Values			
substances	(mm)					
	≥	≤	Any dang. substances in excess of the			
	2,0	5,4	max. permitted levels specified in			
			relevant European standard			
Chemical		l thickness	Values			
composition		mm)		T		
(cast analysis)	≥	≤			(%)	
	2,0	5,4		C: 0,20	P: 0,035	
				Mn : 1,40	S: 0,030	
Durability		I				
	•					

Performance

Values

Harmonised technical

specification