

Declaration of Performance
(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.




Date : 12.06. 2025

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	235		
	16	40	225		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		100	360	510	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	26		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at 20°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤		max (%)	
		40		C : 0,17 Mn : 1,40 N* : 0,009 CEV: 0,37	
		16			
	16	40		CEV: 0,39	
	*If P ≥ 0,025%, N = max.0,012%. If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.				
Durability	NPD				

Declaration of Performance
(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) ----
- 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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality		2%		
	Straightness		0,2% of total length and 3mm/1m		
	Mass		-6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	275		
	16	40	265		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		3	430	580	
	3	100	410	560	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	23		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at 0°C		
Weldability	Nominal thickness (mm)		Values		
	>	≤		max (%)	
		40		C : 0,20 Mn : 1,50 N* : 0,009	
		16		CEV: 0,41	
	16	40		CEV: 0,43	
	*If P ≥ 0,025%, N = max.0,012%.				
If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.					
Durability	NPD				

Declaration of Performance
(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) ----
- 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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	275		
	16	40	265		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		3	430	580	
	3	100	410	560	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	23		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at -20°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	max (%)		
		40	C : 0,20 Mn : 1,50	P : 0,030 S : 0,030	
		16	CEV: 0,41		
	16	40	CEV: 0,43		
Durability	NPD				

Declaration of Performance
(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**
 - 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.




Date : 12.06. 2025

Essential characteristic	Performance					Harmonised technical specification
Tolerances on dimensions and shape			Values			EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		- 10% (loc. -12,5%) / +8% mass			
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths			
Yield strength	Nominal thickness (mm)		Values			EN 10210-1:2006
	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		65	370	510		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
			longit.	transv.		
		65	24	22		
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤	min (%)	max (%)		
		65	Al _{tot} : 0,020 Mn : 0,50	C : 0,20 Mn : 1,40 S : 0,030 V : 0,08 Cr : 0,30 Mo : 0,10 N : 0,015 CEV: 0,40	Si : 0,40 P : 0,035 Nb : 0,050 Ti : 0,03 Ni : 0,30 Cu : 0,35	
Durability	NPD					



(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.

Date : 12.06. 2025

Essential characteristic	Performance					Harmonised technical specification
Tolerances on dimensions and shape			Values			EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		- 10% (loc. -12,5%) / +8% mass			
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths			
Yield strength	Nominal thickness (mm)		Values			EN 10210-1:2006
	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		65	370	510		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
			longit.	transv.		
		65	24	22		
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	27 at -50°C			
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤	min (%)	max (%)		
		65	Al _{tot} : 0,020 Mn : 0,50	C : 0,20 Mn : 1,40 S : 0,025 V : 0,08 Cr : 0,30 Mo : 0,10 N : 0,015 CEV: 0,40	Si : 0,40 P : 0,030 Nb : 0,050 Ti : 0,03 Ni : 0,30 Cu : 0,35	
Durability	NPD					

Declaration of Performance
(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) **S355J0H 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.



Date : 12.06. 2025

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	355		
	16	40	345		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		3	510	680	
	3	100	470	630	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	22		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at 0°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	max (%)		
		40	C : 0,22	P : 0,035	
			Mn : 1,60	S : 0,035	
			Si : 0,55	N* : 0,009	
		16	CEV: 0,45		
	16	40	CEV: 0,47		
*If P ≥ 0,025%, N = max.0,012%.					
If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.					
Durability	NPD				

Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-007-CPR2025-06-12

- 1) Code of the product type: **1.0576**
Type: Hot finished structural hollow sections (seamless tubes) **S355J2H 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.

Date : 12.06. 2025

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	355		
	16	40	345		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		3	510	680	
	3	100	470	630	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	22		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at -20°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	max (%)		
		40	C : 0,22 Mn : 1,60 Si : 0,55	P : 0,030 S : 0,030	
		16	CEV: 0,45		
	16	40	CEV: 0,47		
	NPD				
Durability					

Declaration of Performance
(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) ----
 - 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

Essential characteristic	Performance					Harmonised technical specification
Tolerances on dimensions and shape			Values			EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		- 10% (loc. -12,5%) / +8% mass			
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths			
Yield strength	Nominal thickness (mm)		Values			EN 10210-1:2006
	>	≤	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 (mm)		Values			
	>	≤	min (%)			
			longit.	transv.		
		65	22	20		
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤	min (%)	max (%)		
		65	Al _{tot} : 0,020 Mn : 0,90	C : 0,20 Mn : 1,65 S : 0,030 V : 0,12 Cr : 0,30 Mo : 0,10 N : 0,020	Si : 0,50 P : 0,035 Nb : 0,050 Ti : 0,03 Ni : 0,50 Cu : 0,35	
		16		CEV: 0,43		
	16	65		CEV: 0,45		
Durability	NPD					

Declaration of Performance
(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) ----
 - 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

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

Declaration of Performance
(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) ----
 - 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

Essential characteristic	Performance				Harmonised technical specification	
Tolerances on dimensions and shape			Values		EN 10210-2:2019	
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		- 10% (loc. -12,5%) / +8% mass			
	Ovality		2%			
	Straightness		0,2% of total length and 3mm/1m			
	Mass		-6% / +8% for particular lengths			
Yield strength	Nominal thickness (mm)		Values			
	>	≤	ReH min (MPa)			
		16	355			
	16	40	345			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		3	510	680		
	3	100	470	630		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
		40	22			
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability	Nominal thickness (mm)		Values			
	>	≤				
		40				
		16				
		40				
	16	40				
Chemical composition + CEV (cast analysis)			max (%)			
			C : 0,22		P : 0,030	
			Mn : 1,60		S : 0,030	
			Si : 0,55			
			CEV: 0,45			
			CEV: 0,47			
Durability	NPD					

Declaration of Performance
(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+
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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	420		
	16	40	400		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		65	520	680	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
			longit.	transv.	
		65	19	17	
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	40 at -20°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	min (%)	max (%)	
		65	Al _{tot} : 0,020 Mn : 1,00	C : 0,22 Mn : 1,70 S : 0,030 V : 0,20 Cr : 0,30 Mo : 0,10 N : 0,025	Si : 0,60 P : 0,035 Nb : 0,050 Ti : 0,03 Ni : 0,80 Cu : 0,70
		16		CEV: 0,50	
	16	65		CEV: 0,52	
Durability	NPD				

Declaration of Performance
(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) ----

- 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

Essential characteristic	Performance				Harmonised technical specification	
Tolerances on dimensions and shape			Values		EN 10210-2:2019	
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		- 10% (loc. -12,5%) / +8% mass			
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths			
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006	
	>	≤	ReH min (MPa)			
		16	420			
	16	40	400			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		65	520	680		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
			longit.	transv.		
		65	19	17		
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	27 at -50°C			
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤	min (%)	max (%)		
		65	Al _{tot} : 0,020 Mn : 1,00	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 Cu : 0,70
		16		CEV: 0,50		
	16	65		CEV: 0,52		
Durability	NPD					

Declaration of Performance
(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.
- 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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	460		
	16	40	440		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		65	540	720	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
			longit.	transv.	
		65	17	15	
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	40 at -20°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	min (%)	max (%)	
		65	Al _{tot} : 0,020 Mn : 1,00	C : 0,22 Mn : 1,70 S : 0,030 V : 0,20 Cr : 0,30 Mo : 0,10 N : 0,025	Si : 0,60 P : 0,035 Nb : 0,050 Ti : 0,03 Ni : 0,80 Cu : 0,70
		16		CEV: 0,53	
	16	65		CEV: 0,55	
Durability	NPD				

Declaration of Performance
(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.

- 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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality Straightness Mass		2% 0,2% of total length and 3mm/1m -6% / +8% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10210-1:2006
	>	≤	ReH min (MPa)		
		16	460		
	16	40	440		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		65	540	720	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
			longit.	transv.	
		65	17	15	
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at -50°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	min (%)	max (%)	
		65	Al _{tot} : 0,020 Mn : 1,00	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 Cu : 0,70
		16		CEV: 0,53	
	16	65		CEV: 0,55	
Durability	NPD				

Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-010-CPR2025-06-12

- 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) ----
 - 5) 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.
 - 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

Essential characteristic	Performance				Harmonised technical specification	
Tolerances on dimensions and shape			Values		EN 10219-2:2006	
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		For D≤406,4mm: T≤5mm ±10% and T>5mm ±5mm; for D<406,4mm: ±10% and max ±2mm			
	Ovality Straightness Mass		2%, for D/T≥100 must be agreed 0,20% of total length and 3mm/1m ±6% for particular lengths			
Yield strength	Nominal thickness (mm)		Values		EN 10219-1:2006	
	>	≤	ReH min (MPa)			
		16	235			
	16	40	225			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		40	360	510		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
		40	24			
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	27 at 20°C			
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤		max (%)		
		40		C : 0,17 Mn : 1,40 N* : 0,009 CEV: 0,35		P : 0,040 S : 0,040
	*If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.					
Durability	NPD					

Declaration of Performance
(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) ----
 - 5) 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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape	Outside diameter		Values		EN 10219-2:2006
			±1%, min ±0,5 and max ± 10mm		
	Wall thickness		For D≤406,4mm: T≤5mm ±10% and T>5mm ±5mm; for D<406,4mm: ±10% and max ±2mm		
	Ovality Straightness Mass		2%, for D/T≥100 must be agreed 0,20% of total length and 3mm/1m ±6% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10219-1:2006
	>	≤	ReH min (MPa)		
		16	275		
	16	40	265		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		40	410	560	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	20		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at 0°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	max (%)		
		40	C : 0,20 Mn : 1,50 N* : 0,009 CEV: 0,40	P : 0,035 S : 0,035	
	*If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.				
Durability	NPD				

Declaration of Performance
(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) ----
- 5) 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

Essential characteristic	Performance				Harmonised technical specification	
Tolerances on dimensions and shape	Outside diameter		Values			EN 10219-2:2006
			±1%, min ±0,5 and max ± 10mm			
	Wall thickness		For D≤406,4mm: T≤5mm ±10% and T>5mm ±5mm; for D<406,4mm: ±10% and max ±2mm			
	Ovality Straightness Mass		2%, for D/T≥100 must be agreed 0,20% of total length and 3mm/1m ±6% for particular lengths			
Yield strength	Nominal thickness (mm)		Values			EN 10219-1:2006
	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		40	410	560		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
		40	20			
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	27 at -20°C			
Weldability	Nominal thickness (mm)		Values			
	>	≤		max (%)		
		40		C : 0,20 Mn : 1,50 CEV: 0,40	P : 0,030 S : 0,030	
Chemical composition + CEV (cast analysis)						
Durability	NPD					

Declaration of Performance
(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) **S355J0H 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) ----
- 5) 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

Essential characteristic	Performance					Harmonised technical specification
Tolerances on dimensions and shape			Values			EN 10219-2:2006
	Outside diameter		±1%, min ±0,5 and max ± 10mm			
	Wall thickness		For D≤406,4mm: T≤5mm ±10% and T>5mm ±5mm; for D<406,4mm: ±10% and max ±2mm			
	Ovality Straightness Mass		2%, for D/T≥100 must be agreed 0,20% of total length and 3mm/1m ±6% for particular lengths			
Yield strength	Nominal thickness (mm)		Values			EN 10219-1:2006
	>	≤	ReH min (MPa)			
		16	355			
	16	40	345			
Tensile strength	Nominal thickness (mm)		Values			
	>	≤	Rm min (MPa)	max (MPa)		
		40	470	630		
Elongation	Nominal thickness (mm)		Values			
	>	≤	min (%)			
		40	20			
Impact strength	Nominal thickness (mm)		Values			
	>	≤	KV2Lmin (J)			
		40	27 at 0°C			
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤		max (%)		
		40		C : 0,22 Mn : 1,60 Si : 0,55 CEV: 0,45	P : 0,035 S : 0,035 N* : 0,009	
	*If Al/N ≥ 2 and Al ≥ 0,020%, N maximum value does not apply.					
Durability	NPD					

Declaration of Performance
(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) ----
- 5) 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

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape			Values		EN 10219-2:2006
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		For D≤406,4mm: T≤5mm ±10% and T>5mm ±5mm; for D<406,4mm: ±10% and max ±2mm		
	Ovality Straightness Mass		2%, for D/T≥100 must be agreed 0,20% of total length and 3mm/1m ±6% for particular lengths		
Yield strength	Nominal thickness (mm)		Values		EN 10219-1:2006
	>	≤	ReH min (MPa)		
		16	355		
	16	40	345		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		40	470	630	
Elongation	Nominal thickness (mm)		Values		
	>	≤	min (%)		
		40	20		
Impact strength	Nominal thickness (mm)		Values		
	>	≤	KV2Lmin (J)		
		40	27 at -20°C		
Weldability Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values		
	>	≤	max (%)		
		40	C : 0,22 Mn : 1,60 Si : 0,55 CEV: 0,45	P : 0,030 S : 0,030	
Durability	NPD				

Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-015-CPR2025-06-12

- 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) ----
- 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 dimensions and shape			Values			EN 10224:2002 + A1:2005
	Outside diameter		±1% or min ±0,5 mm			
	Wall thickness		EN 10224:2002 + A1:2005, table 7			
	Out of roundness Straightness		2% max for D/T≤100 0,2% L			
Yield strength	Nominal thickness (mm)		Values			EN 10224:2002 + A1:2005
	>	≤	ReH min (MPa)			
		16	235			
	16		225			
Tensile strength	Nominal thickness (mm)		Values			
	≥	≤	Rm min (MPa)	max (MPa)		
	2,0	25,0	360	500		
Elongation	Nominal thickness (mm)		Values			
	≥	≤	long. min (%)	transv. min (%)		
	2,0	25,0	25	23		
Flattening test	Nominal thickness (mm)		Test			
	>	≤				
	2,0	25,0	no cracks			
Reaction to fire	Nominal thickness (mm)		Mandated class as per 96/303/EEC			
	≥	≤				
	2,0	25,0	Class A1			
Tightness	Nominal thickness (mm)		Test			
	≥	≤	Hydrostatic test at a minimum of 7MPa/5s or EMT in acc. with EN 10246-1			
	2,0	25,0				
Dangerous substances	Nominal thickness (mm)		Values			
	≥	≤	Any dang. substances in excess of the max. permitted levels specified in relevant European standard			
	2,0	25,0				
Chemical composition (cast analysis)	Nominal thickness (mm)		Values			
	≥	≤		max (%)		
	2,0	25,0		C : 0,16 Mn : 1,20 Si : 0,35	P : 0,030 S : 0,025	
Durability	NPD					

Declaration of Performance
(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 dimensions and shape			Values			EN 10224:2002 + A1:2005
	Outside diameter		±1% or min ±0,5 mm			
	Wall thickness		EN 10224:2002 + A1:2005, table 7			
	Out of roundness Straightness		2% max for D/T≤100 0,2% L			
Yield strength	Nominal thickness (mm)		Values			EN 10224:2002 + A1:2005
	>	≤	ReH min (MPa)			
		16	275			
	16		265			
Tensile strength	Nominal thickness (mm)		Values			
	≥	≤	Rm min (MPa)	max (MPa)		
	2,0	25,0	430	570		
Elongation	Nominal thickness (mm)		Values			
	≥	≤	long. min (%)	transv. min (%)		
	2,0	25,0	21	19		
Flattening test	Nominal thickness (mm)		Test			
	>	≤				
	2,0	25,0	no cracks			
Reaction to fire	Nominal thickness (mm)		Mandated class as per 96/303/EEC			
	≥	≤				
	2,0	25,0	Class A1			
Tightness	Nominal thickness (mm)		Test			
	≥	≤	Hydrostatic test at a minimum of 7MPa/5s or EMT in acc. with EN 10246-1			
	2,0	25,0				
Dangerous substances	Nominal thickness (mm)		Values			
	≥	≤	Any dang. substances in excess of the max. permitted levels specified in relevant European standard			
	2,0	25,0				
Chemical composition (cast analysis)	Nominal thickness (mm)		Values			
	≥	≤		max (%)		
	2,0	25,0		C: 0,20 Mn: 1,40 Si: 0,40	P: 0,030 S: 0,025	
Durability	NPD					

Declaration of Performance
(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.

Date : 12.06. 2025

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

Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-018-CPR2025-06-12

- 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

Essential characteristic	Performance					Harmonised technical specification
Tolerances on dimensions and shape			Values			EN 10224:2002 + A1:2005
	Outside diameter		±0,75%, max ± 6,0 mm			
	Wall thickness		±7,5%			
	Out of roundness Straightness		2% max for D/T≤100, for D/T>100 must be agreed 0,2% L			
Yield strength	Nominal thickness (mm)		Values			EN 10224:2002 + A1:2005
	>	≤	ReH min (MPa)			
		16	235			
	16		225			
Tensile strength	Nominal thickness (mm)		Values			
	≥	≤	Rm min (MPa)	max (MPa)		
	2,0	25,0	360	500		
Elongation	Nominal thickness (mm)		Values			
	≥	≤	long. min (%)	transv. min (%)		
	2,0	25,0	25	23		
Bending test	Nominal thickness (mm)		Test			
	>	≤				
	2,0	25,0	no cracks			
Reaction to fire	Nominal thickness (mm)		Mandated class as per 96/303/EEC			
	≥	≤				
	2,0	25,0	Class A1			
Tightness	Nominal thickness (mm)		Test			
	≥	≤	Hydrostatic test at a minimum of 7MPa/5s or EMT in acc. with EN 10246-1			
	2,0	25,0				
Dangerous substances	Nominal thickness (mm)		Values			
	≥	≤	Any dang. substances in excess of the max. permitted levels specified in relevant European standard			
	2,0	25,0				
Chemical composition (cast analysis)	Nominal thickness (mm)		Values			
	≥	≤		max (%)		
	2,0	25,0		C : 0,16 Mn : 1,20 Si : 0,35	P : 0,030 S : 0,025	
Durability	NPD					

Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-019-CPR2025-06-12

- 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

Essential characteristic	Performance					Harmonised technical specification
Tolerances on dimensions and shape			Values			EN 10224:2002 + A1:2005
	Outside diameter		±0,75%, max ± 6,0 mm			
	Wall thickness		±7,5%			
	Out of roundness Straightness		2% max for D/T≤100, for D/T>100 must be agreed 0,2% L			
Yield strength	Nominal thickness (mm)		Values			EN 10224:2002 + A1:2005
	>	≤	ReH min (MPa)			
		16	275			
	16		265			
Tensile strength	Nominal thickness (mm)		Values			
	≥	≤	Rm min (MPa)	max (MPa)		
	2,0	25,0	430	570		
Elongation	Nominal thickness (mm)		Values			
	≥	≤	long. min (%)	transv. min (%)		
	2,0	25,0	21	19		
Bending test	Nominal thickness (mm)		Test			
	>	≤				
	2,0	25,0	no cracks			
Reaction to fire	Nominal thickness (mm)		Mandated class as per 96/303/EEC			
	≥	≤				
	2,0	25,0	Class A1			
Tightness	Nominal thickness (mm)		Test			
	≥	≤	Hydrostatic test at a minimum of 7MPa/5s or EMT in acc. with EN 10246-1			
	2,0	25,0				
Dangerous substances	Nominal thickness (mm)		Values			
	≥	≤	Any dang. substances in excess of the max. permitted levels specified in relevant European standard			
	2,0	25,0				
Chemical composition (cast analysis)	Nominal thickness (mm)		Values			
	≥	≤		max (%)		
	2,0	25,0		C : 0,20 Mn : 1,40 Si : 0,40	P : 0,030 S : 0,025	
Durability	NPD					

Declaration of Performance
(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

Essential characteristic	Performance				Harmonised technical specification	
Tolerances on dimensions and shape			Values		EN 10224:2002 + A1:2005	
	Outside diameter		±0,75%, max ± 6,0 mm			
	Wall thickness		±7,5%			
	Out of roundness Straightness		2% max for D/T≤100, for D/T>100 must be agreed 0,2% L			
Yield strength	Nominal thickness (mm)		Values		EN 10224:2002 + A1:2005	
	>	≤	ReH min (MPa)			
		16	355			
	16		345			
Tensile strength	Nominal thickness (mm)		Values			
	≥	≤	Rm min (MPa)	max (MPa)		
	2,0	25,0	500	650		
Elongation	Nominal thickness (mm)		Values			
	≥	≤	long. min (%)	transv. min (%)		
	2,0	25,0	21	19		
Bending test	Nominal thickness (mm)		Test			
	>	≤				
	2,0	25,0	no cracks			
Reaction to fire	Nominal thickness (mm)		Mandated class as per 96/303/EEC			
	≥	≤				
	2,0	25,0	Class A1			
Tightness	Nominal thickness (mm)		Test			
	≥	≤	Hydrostatic test at a minimum of 7MPa/5s or EMT in acc. with EN 10246-1			
	2,0	25,0				
Dangerous substances	Nominal thickness (mm)		Values			
	≥	≤	Any dang. substances in excess of the max. permitted levels specified in relevant European standard			
	2,0	25,0				
Chemical composition (cast analysis)	Nominal thickness (mm)		Values			
	≥	≤		max (%)		
	2,0	25,0		C : 0,22 Mn : 1,60 Si : 0,55 P : 0,030 S : 0,025		
Durability	NPD					

Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-021-CPR2025-06-12

- 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) ----
- 5) System of assessment and verification of constancy of 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

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