

Declaration of Performance

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-001-CPR2025-07-02

- 1) Code of the product type: **1.0039**
Type: Hot finished structural hollow sections (seamless tubes) **S235JRH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / EN 10210-2:2019
	Outside diameter		±1%, min ±0,5 and max ± 10mm		
	Wall thickness		- 10% (loc. -12,5%) / +8% mass		
	Ovality		2%		
Yield strength	Straightness		0,2% of total length and 3mm/1m		BS EN 10210-1:2006 / EN 10210-1:2006
	Mass		-6% / +8% for particular lengths		
	Nominal thickness (mm)		Values		
	>	≤	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	Nominal thickness (mm)		Values	
>		≤	max (%)		
		40	C : 0,17	P : 0,040	
			Mn : 1,40	S : 0,040	
			N* : 0,009		
		16	CEV: 0,37		
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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-002-CPR2025-07-02

- 1) Code of the product type: **1.0149**
Type: Hot finished structural hollow sections (seamless tubes) **S275J0H according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification	
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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 Chemical composition + CEV (cast analysis)	Nominal thickness (mm)		Values			
	>	≤	max (%)			
		40	C : 0,20 Mn : 1,50 N* : 0,009	P : 0,035 S : 0,035		
		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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-003-CPR2025-07-02

- 1) Code of the product type: **1.0138**
Type: Hot finished structural hollow sections (seamless tubes) **S275J2H according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) – see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-004-CPR2025-07-02

- 1) Code of the product type: **1.0493**
Type: Hot finished structural hollow sections (seamless tubes) **S275NH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance					UK designated technical specification / Harmonised technical specification
Tolerances on dimensions and shape			Values			BS EN 10210-2:2019 / 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			BS EN 10210-1:2006 / 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			
	>	≤	in (%)	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					

Declaration of Performance

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-005-CPR2025-07-02

- 1) Code of the product type: **1.0497**
Type: Hot finished structural hollow sections (seamless tubes) **S275NLH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, Fax: +420 596 237 980
<https://libertysteelgroup.com>
- 4) ----
- 5) System of assessment and verification of constancy of performance of the product: System 2+
- 6) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification	
Tolerances on dimensions and shape			Values			BS EN 10210-2:2019 / 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			BS EN 10210-1:2006 / 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			
	>	≤	in (%)	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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-006-CPR2025-07-02

- 1) Code of the product type: **1.0547**
Type: Hot finished structural hollow sections (seamless tubes) **S355J0H according to BS EN/N 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, Fax: +420 596 237 980
<https://libertysteelgroup.com>
- 4) ----
- 5) System of assessment and verification of constancy of performance of the product: System 2+
- 6) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-007-CPR2025-07-02

- 1) Code of the product type: **1.0576**
Type: Hot finished structural hollow sections (seamless tubes) **S355J2H according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification	
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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		P : 0,030
				Mn : 1,60		S : 0,030
		16		Si : 0,55		
	16	40		CEV: 0,45		
		CEV: 0,47				
Durability	NPD					

Declaration of Performance

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-008-CPR2025-07-02

- 1) Code of the product type: **1.0539**
Type: Hot finished structural hollow sections (seamless tubes) **S355NH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd. / 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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification	
Tolerances on dimensions and shape			Values			BS EN 10210-2:2019 / 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			BS EN 10210-1:2006 / 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			
	>	≤	in (%)	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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-009-CPR2025-07-02

- 1) Code of the product type: **1.0549**
Type: Hot finished structural hollow sections (seamless tubes) **S355NLH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-022-CPR2025-07-02

- 1) Code of the product type: **1.0512**
Type: Hot finished structural hollow sections (seamless tubes) **S355K2H according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification	
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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	40 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		
	Durability	NPD				

Declaration of Performance

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-023-CPR2025-07-02

- 1) Code of the product type: **1.8750**
Type: Hot finished structural hollow sections (seamless tubes) **S420NH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification Harmonised technical specification
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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		
	>	≤	in (%)	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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-024-CPR2025-07-02

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

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

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

To be used in welded structures

- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019

Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) – see table.

- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

Essential characteristic	Performance				UK designated technical specification Harmonised technical specification	
Tolerances on dimensions and shape			Values		BS EN 10210-2:2019 / 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		BS EN 10210-1:2006 / 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	Nominal thickness (mm)		Values			
	>	≤	in (%)	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

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-025-CPR2025-07-02

- 1) Code of the product type: **1.8953**
Type: Hot finished structural hollow sections (seamless tubes) **S460NH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) – see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

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



Declaration of Performance

(Acc. to Annex III Construction Products Regulation (305/2011/EU), Regulation (EU) No 574/2014 and (EU Exit) Regulation 2020 No. 1359)

No. LO-026-CPR2025-07-02

- 1) Code of the product type: **1.8956**
Type: Hot finished structural hollow sections (seamless tubes) **S460NLH according to BS EN/EN 10210-1:2006**
- 2) Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:
To be used in welded structures
- 3) Liberty Ostrava a.s.
Vratimovská 689/117
719 00 Ostrava - Kunčice - Czech Republic
Tel: +420 595 682 501, 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) BS EN/EN 10210-1:2006, BS EN/EN 10210-2:2019
Factory production control assessment body No. 0879 TÜV UK Ltd./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 1) - see table.
- 8) Certificate No. 0879-CPR-10210-1-CZ00003/No. 0045-CPR-0807-1. The performance of the product identified above is in conformity with the set of declared performances. 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 : 02.07. 2025

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