

(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.

Essential characteristic			Performance			UK designated technical specification / Harmonised
						technical specification
Tolerances on				Values		
dimensions and	Outside	diameter		0,5 and max		
shape	Wall th	nickness	- 10% (loc.	-12,5%) / +8%	% mass	BS EN 10210-2:2019 /
	O۱	/ality		2%		EN 10210-2:2019
	Straig	ghtness	0,2% of tota	I length and	3mm/1m	
		lass	-6% / +8% f	or particular	lengths	
Yield strength		thickness		Values		
	(r	nm)				
	>	≤	ReH min (MPa)			
		16	235			
	16	40	225			
Tensile strength		thickness nm)		Values		
	>	, ≤	Rm min (MPa)	max ((MPa)	1
		100	360	51	10	1
Elongation	Nominal	thickness		Values]
	(r	nm)				
	>	≤	min (%)			
		40	26			DO EN 40040 4 0000 /
Impact strength		thickness nm)		Values		BS EN 10210-1:2006 / EN 10210-1:2006
	> `	, 	KV2Lmin (J)			1
		40	27 at 20°C			
Weldability		thickness nm)		Values		
Chemical	> ''	····) ≤		max	(%)	1
composition + CEV		40		C : 0,17	P: 0.040	1
(cast analysis)				Mn : 1,40	S: 0,040	
				N* : 0,009		
		16]	CEV: 0,37		1 I
	16	40		CEV: 0,39]
		%, N = max.0,01		-	<u></u>	
Daniel III a	If Al/N ≥ 2 ar	nd AI ≥ 0,020%, I	N maximum value do	es not apply.		
Durability			NPD			



(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

Essential

characteristic

Tolerances on

dimensions and

shape

Yield strength

Durability

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

 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

	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength	Nominal	thickness		Values		
	(r	nm)				
	>	≤	Rm min (MPa)	max (MPa)	
		3	430	58	30	
	3	100	410	56	0	
Elongation		thickness nm)		Values		
	>	≤	min (%)			
		40	23			BS EN 10210-1:2006 /
Impact strength	Nominal	thickness		Values		EN 10210-1:2006
	(r	nm)				
	^	≤	KV2Lmin (J)			
		40	27 at 0°C			
Weldability	-	thickness nm)		Values		
Chemical	>	≤		max	(%)	
composition + CEV		40		C: 0,20	P: 0,035	
(cast analysis)				Mn : 1,50 N* : 0,009	S: 0,035	
		16		CEV: 0,41		
				CEV: 0,43		

NPD

Performance

Outside diameter

Wall thickness

Ovality

Straightness

Mass

Nominal thickness

(mm)

Values

±1%, min ±0,5 and max ± 10mm

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

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

-6% / +8% for particular lengths

Values

UK designated technical

specification / Harmonised

technical specification

BS EN 10210-2:2019 /

EN 10210-2:2019



(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

Essential

characteristic

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) ----

- 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

Tolerances on				Values		
dimensions and	Outside	e diameter	±1%, min ±	0,5 and max ±	: 10mm	
shape	Wall t	hickness	- 10% (loc.	-12,5%) / +8%	mass	BS EN 10210-2:2019 /
	0\	vality		2%		EN 10210-2:2019
	Strai	ghtness	0,2% of tota	I length and 3	3mm/1m	
	N	lass	-6% / +8% 1	for particular l	engths	
Yield strength	Nomina	l thickness		Values		
	(1	nm)				
	^	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength	Nomina	l thickness		Values		
	(1	nm)				
	^	≤	Rm min (MPa)	max (MPa)	
		3	430	58	0	
	3	100	410	56	0	
Elongation	Nomina	l thickness		Values		
	(1	nm)				
	>	≤	min (%)			BS EN 10210-1:2006 /
		40	23			EN 10210-1:2006
Impact strength	Nomina	l thickness		Values		
	(1	nm)				
	^	≤	KV2Lmin (J)			
		40	27 at -20°C			
Weldability	Nomina	l thickness		Values		
	(1	nm)				
Chemical	^	≤		max	(%)	
composition + CEV		40		C: 0,20	P: 0,030	
(cast analysis)				Mn : 1,50	S:0,030	
		16		CEV: 0,41		
	16	40		CEV: 0,43		
Durability			NPD			

Performance

UK designated technical

specification / Harmonised

technical specification



(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) ----
- 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

characteristic						specification / Harmonised technical specification
Tolerances on				Values		tooningar opcomeation
dimensions and	Outside	diameter	+1% min +	0,5 and max :	+ 10mm	
shape		nickness	· · · · · · · · · · · · · · · · · · ·	-12,5%) / +8%		BS EN 10210-2:2019 /
·		ality	1 1070 (1001	2%		EN 10210-2:2019
		ghtness	0.2% of tota	I length and	3mm/1m	
		lass		or particular		
Yield strength		thickness	7,07.1070	Values		
		nm)				
	>	≤	ReH min (MPa)			
		16	275			
	16	40	265			
Tensile strength		thickness nm)		Values		
	>	≤	Rm min (MPa)	max	(MPa)	
		65	370	5	10	
Elongation		thickness nm)		Values		
	>	≤		min (%)		
			longit.	trar	nsv.	
		65	24	2	22	†
Impact strength	Nominal	thickness		Values		BS EN 10210-1:2006 / EN 10210-1:2006
	(r	nm)				EN 10210-1:2006
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability	Nominal	thickness		Values		
	(r	nm)				
Chemical	>	≤	in (%)	max	x (%)	
composition + CEV		65	Al _{tot} : 0,020	C: 0,20	Si : 0,40	
(cast analysis)			Mn : 0,50	Mn : 1,40	P: 0,035	
				S: 0,030	Nb : 0,050	
				V: 0,08	Ti: 0,03	
				Cr : 0,30 Mo : 0,10	Ni : 0,30 Cu : 0,35	
				N : 0,015	Gu . 0,35	
				CEV: 0,40		
Durability		ı	NPD		1	

Performance

Essential

UK designated technical



(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

Fssential

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.
- 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

Tolerances on dimensions and shape	Essential characteristic			Performance			Specification / Harmonised
dimensions and shape				T			technical specification
Shape							
Ovality Straightness 0,2% of total length and 3mm/1m Mass 0,2% of total length and 3mm/1m EN 10210-2:2019							
Straightness Mass 0,2% of total length and 3mm/1m -6% / +8% for particular lengths	Snape			- 10% (loc.		% mass	
Mass			•				EN 10210-2:2019
Yield strength							
(mm)	V: 11 4 4			-6% / +8% 1		lengths	
Tensile strength	Yield strength				values		
Tensile strength		>	≤	ReH min (MPa)			
Tensile strength			16	275			
(mm)		16	40	265			
S S Rm min (MPa) max (MPa)	Tensile strength				Values		
Boundarie		<u>(r</u>			1		
Boundaries		>		· ,		' '	
Composition + CEV (cast analysis) Chemical composition + CEV (cast Sanalysis) Circuit Sanalysis Circu				370		10	
Ingit. Itansv.	Elongation				Values		
Mominal thickness (mm)		>	≤		min (%)		
Impact strength				longit.	traı	ısv.	
Impact strength			65	24	2	22	DO EN 40040 4 0000 /
Weldability Nominal thickness (mm) Values	Impact strength				Values		
Weldability Nominal thickness (mm) Values Chemical composition + CEV (cast analysis) ≥ in (%) max (%) Mn: 0,50 Al _{tot} : 0,020 Mn: 1,40 P: 0,030 Si: 0,40 Mn: 1,40 P: 0,030 Si: 0,40 Mn: 1,40 P: 0,030 Mi: 0,050 V: 0,08 Ti: 0,03 Cr: 0,30 Mi: 0,30 Mo: 0,10 Cu: 0,35 N: 0,015 CEV: 0,40		>	≤	KV2Lmin (J)			
(mm) Chemical composition + CEV (cast analysis) 65 Al _{tot} : 0,020			40	27 at -50°C			
Composition + CEV	Weldability				Values		
Composition + CEV (cast analysis) 65		>	≤	in (%)	max	(%)	
(cast analysis) Mn: 0,50 Mn: 1,40 S: 0,025 V: 0,08 Ti: 0,03 Cr: 0,30 Mo: 0,10 N: 0,015 N: 0,015 CEV: 0,40 P: 0,030 P: 0,030 Cu: 0,35 N: 0,015							
V: 0,08 Ti: 0,03 Cr: 0,30 Ni: 0,30 Mo: 0,10 Cu: 0,35 N: 0,015 CEV: 0,40	(cast analysis)			Mn: 0,50	Mn: 1,40	P:0,030	
Cr : 0,30 Ni : 0,30 Mo : 0,10 Cu : 0,35 N : 0,015 CEV: 0,40						,	
Mo : 0,10 Cu : 0,35 N : 0,015 CEV: 0,40					,		
N: 0,015 CEV: 0,40					,		
CEV: 0,40						Gu : 0,35	
, , , , , , , , , , , , , , , , , , ,							
	Durability		l	NPD	JET. 0,-10		

Performance

LIK designated technical



(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

Fssential

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+
- BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019 6)

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			specification / Harmonised
			Т			technical specification
Tolerances on				Values		
dimensions and		diameter		0,5 and max :		
shape		nickness	- 10% (loc.	-12,5%) / +8%	% mass	BS EN 10210-2:2019 /
		/ality		2%		EN 10210-2:2019
		ghtness		I length and		
		lass	-6% / +8% 1	or particular	lengths	
Yield strength		thickness		Values		
	(r	nm)		1		
	>	≤	ReH min (MPa)			
		16	355			
	16	40	345			
Tensile strength	Nominal	thickness		Values		
	(r	nm)				
	>	≤	Rm min (MPa)	max	(MPa)	
		3	510	68	80	
	3	100	470	63	30	
Elongation	Nominal	thickness		Values		
	(r	nm)				
	>	≤	min (%)			
		40	22			BS EN 10210-1:2006 /
Impact strength		thickness		Values		EN 10210-1:2006
	(r	nm)		1		
	>	≤	KV2Lmin (J)			
		40	27 at 0°C			
Weldability		thickness		Values		
Chemical	(r >	nm)		may	(%)	-
composition + CEV		<u>≤</u>	-	C : 0.22	P : 0,035	-
(cast analysis)		40		Mn : 1,60	S: 0,035	
(**************************************				Si : 0,55	N* : 0,009	
		16		CEV: 0,45	,	1
	16	40		CEV: 0,47		1
		%, N = max.0,01	12%		1	1
			N maximum value do	es not apply.		
Durability		, - ,	NPD			1

Performance

UK designated technical



(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) \$355J2H 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

Liberty Ostrava a.s. 3) 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+
- BS EN/EN 1010-1:2006, BS EN/EN 10210-2:2019 6)

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.
- 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.

Essential characteristic			Performance			UK designated technical specification / Harmonised technical specification
Tolerances on				Values		·
dimensions and	Outside	diameter	±1%, min ±	0,5 and max :	± 10mm	
shape	Wall t	hickness	- 10% (loc.	-12,5%) / +8%	% mass	BS EN 10210-2:2019 /
	O	ality	`	2%		EN 10210-2:2019
		ghtness	0.2% of tota	I length and	3mm/1m	
		lass		or particular		
Yield strength	Nomina	l thickness		Values		
	(1	nm)				
	>	≤	ReH min (MPa)			1
		16	355			
	16	40	345			
Tensile strength		thickness nm)		Values		
	>	≤	Rm min (MPa)	max	(MPa)	
		3	510	68	30	1
	3	100	470	63	30	1
Elongation	Nomina	thickness		Values		1
	(ı	mm)				
	^	≤	min (%)			BS EN 10210-1:2006 /
		40	22			EN 10210-1:2006
Impact strength		l thickness mm)		Values		
	>	≤	KV2Lmin (J)			
		40	27 at -20°C			
Weldability		l thickness nm)		Values		
Chemical	^	≤		max	(%)	1
composition + CEV		40]	C: 0,22	P: 0,030	1
(cast analysis)				Mn : 1,60	S:0,030	
			_	Si : 0,55		<u> </u>
		16	<u> </u>	CEV: 0,45]
	16	40		CEV: 0,47		<u> </u>
Durability			NPD			



(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

 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 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.

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4

Essential characteristic			Performance			UK designated technical specification / Harmonised technical specification
Tolerances on dimensions and shape	Wall the Overall Straig	e diameter hickness vality ghtness lass	- 10% (loc.	Values :0,5 and max : 12,5%) / +8% 2% al length and : for particular	% mass 3mm/1m	BS EN 10210-2:2019 / EN 10210-2:2019
Yield strength		thickness nm) ≤ 16 40	ReH min (MPa) 355 345	Values		
Tensile strength	Nomina	I thickness mm)	Rm min (MPa)	Values	(MPa)	
		65	470		30	1
Elongation		thickness nm)		Values		
	>	≤	longit.	min (%)	nsv.	
		65	22		20	-
Impact strength		thickness nm)	22	Values	:0	BS EN 10210-1:2006 / EN 10210-1:2006
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability		l thickness nm)		Values		
Chemical	>	≤	in (%)	max	(%)	
composition + CEV (cast analysis)		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			



(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) ---

- 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

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Tolerances on dimensions and shape	Essential			Performance			UK designated technical
Tolerances on dimensions and shape	characteristic						
Outside diameter ±1%, min ±0,5 and max ± 10mm Wall thickness -10% (loc12,5%) / +8% mass EN 10210-2:2019 / E				1	., .		technical specification
Shape				140/			
Ovality Straightness Ovality Straightness Ovality Straightness Ovality Ovality							
Straightness Mass -6% / +8% for particular lengths	Silape			- 10% (IOC.		% mass	
Mass			•	0.00/			EN 10210-2:2019
Yield strength							
(mm)	What distance with			-6% / +8% 1		lengths	
Tensile strength	Yield strength				values		
Tensile strength		>	≤	ReH min (MPa)			
Tensile strength			16	355			
Chemical composition + CEV (cast analysis) Cast analysis Cast analysis		16	40	345			
Blongation	Tensile strength				Values		
Elongation		>	≤	Rm min (MPa)	max	(MPa)	
Monimal thickness (mm) Section Section			65	470	6:	30	
Impact strength	Elongation				Values		
Mominal thickness		>	≤		min (%)		
Impact strength				longit.	traı	nsv.	
Impact strength			65	22	2	20	1
(mm)	Impact strength	Nomina					BS EN 10210-1:2006 /
Meldability							
Meldability		> `	, ≤	KV2Lmin (J)			
(mm) Chemical composition + CEV (cast analysis) 65 Al _{tot} : 0,020			40	27 at -50°C			
Chemical composition + CEV (cast analysis) ≤ in (%) max (%) Mn : 0,90 C : 0,18 Mn : 1,65 P : 0,030 S : 0,025 V : 0,12 Ti : 0,03 Cr : 0,30 Mo : 0,10 N : 0,020 Nb : 0,050 Cu : 0,35 Ni : 0,50 Cu : 0,35 Ni : 0,020 16 CEV: 0,43 CEV: 0,45 CEV: 0,45	Weldability	Nomina	thickness		Values		
Composition + CEV (cast analysis)		(r	nm)				
(cast analysis) Mn : 0,90		>		in (%)	max	c (%)	
S: 0,025 V: 0,12 Cr: 0,30 Mo: 0,10 N: 0,020 16 CEV: 0,43 16 GEV: 0,45			65		,		
V: 0,12 Ti: 0,03 Cr: 0,30 Ni: 0,50 Mo: 0,10 Cu: 0,35 N: 0,020 16 CEV: 0,43 16 65 CEV: 0,45	(cast analysis)			Mn : 0,90	,	,	
Cr : 0,30 Ni : 0,50 Cu : 0,35 Ni : 0,020 16 CEV: 0,43 16 65 CEV: 0,45							
Mo: 0,10 Cu: 0,35 N: 0,020 16 CEV: 0,43 16 65 CEV: 0,45					,		
N: 0,020 16 CEV: 0,43 16 65 CEV: 0,45							
16 CEV: 0,43 16 65 CEV: 0,45					,	Ju . 0,33	
16 65 CEV: 0,45			16				1
,		16					1
	Durability	-		NPD		1	1



(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

 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 501Fax:+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 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

characteristic						specification / Harmonised technical specification
Tolerances on				Values		темперия предотовного
dimensions and	Outside	e diameter	±1%. min ±	0,5 and max :	± 10mm	
shape	Wall t	hickness		-12,5%) / +8%		BS EN 10210-2:2019 /
		ality	10,000	2%		EN 10210-2:2019
	Strai	ghtness	0,2% of tota	l length and	3mm/1m	
		lass	-6% / +8% 1	for particular	lengths	
Yield strength		l thickness		Values		
		mm)	Poll min (MPa)			-
	>	≤	ReH min (MPa)			
	16	16 40	355 345			
Tensile strength		thickness	345	Values		-
rensile strength		nm)		values		
	- ''	····, ≤	Rm min (MPa)	max ((MPa)	
		3	510		30	1
	3	100	470	63		1
Elongation	Nomina	thickness	111	Values		
ŭ	1)	nm)				
	>	≤	min (%)			BS EN 10210-1:2006 /
		40	22			EN 10210-1:2006
Impact strength	Nomina	l thickness		Values		EN 10210-1:2000
	1)	nm)				
	>	≤	KV2Lmin (J)			
		40	40 at -20°C			
Weldability		l thickness		Values		
0 1 · 1		nm)		ı		
Chemical composition + CEV	>	≤			(%)	
(cast analysis)		40		C: 0,22	P: 0,030	
(Sast analysis)				Mn : 1,60	S:0,030	
		16	-	Si : 0,55		1
	16	40	-	CEV: 0,45 CEV: 0,47		1
Durability	10	40	NPD	GEV. 0,47		1
Durability			NFD			

Performance

UK designated technical

Essential



(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.

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Essential			Performance	<u> </u>	UK designated
characteristic			i cirormanoc	•	technical specification /
					Harmonised technical
					specification
Tolerances on				Values	
dimensions and	Outside	diameter	±1%, min ±0),5 and max ± 10mm	
shape	Wall th	nickness	- 10% (loc.	-12,5%) / +8% mass	BS EN 10210-2:2019 /
		ality		2%	EN 10210-2:2019
		ghtness		length and 3mm/1m	
		ass	-6% / +8% fo	or particular lengths	
Yield strength		thickness		Values	
	(n	nm)		T	_
	>	≤	ReH min		
		4.0	(MPa)		_
	40	16	420		_
- "	16	40	400	., .	4
Tensile strength		thickness nm)		Values	
	> (1		Rm min	max (MPa)	-
	_	≤	(MPa)	IIIax (IVIFa)	
		65	520	680	╡
Elongation	Nominal	thickness	020	Values	1
gu	-	nm)			
	>	, ≤		min (%)	1
			longit.	transv.	1
		65	19	17	† ,
Impact strength	Nominal	thickness	13	Values	BS EN 10210-1:2006 / EN 10210-1:2006
impact on ongai		nm)		74.400	EN 10210-1.2006
	>	, <u>≤</u>	KV2Lmin (J)		1
		40	40 at -20°C		1
Weldability	Nominal	thickness		Values	1
	(n	nm)			
Chemical	>	≤	in (%)	max (%)	1
composition +		65	Al _{tot} : 0,020	C: 0,22 Si: 0,60	1
CEV			Mn : 1,00	Mn: 1,70 P: 0,035	
(cast analysis)				S: 0,030 Nb: 0,050	P
				V: 0,20 Ti: 0,03	
				Cr: 0,30 Ni: 0,80 Mo: 0,10 Cu: 0,70	
				N: 0,025	
		16		CEV: 0,50	1
	16	65		CEV: 0,52	1
Durability			NPD	1	†



(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

Essential

characteristic

Tolerances on

dimensions and

shape

Yield strength

Tensile strength

Elongation

Impact strength

Weldability

Chemical

composition +

CEV

(cast analysis)

Durability

Outside diameter

Wall thickness

Ovality

Straightness

Mass

Nominal thickness

(mm)

≤

16

40

≤

65

≤

65

≤

40

65

16

65

>

16

>

>

>

16

Performance

ReH min

(MPa)

420

400

Rm min

(MPa)

520

longit.

19

KV2Lmin (J)

27 at -50°C

in (%)

Altot: 0,020

Mn: 1,00

NPD

Values

±1%, min ±0,5 and max ± 10mm

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

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

-6% / +8% for particular lengths

Values

Values

Values

min (%)

Values

Values

N: 0.025

CEV: 0,50 CEV: 0,52

max (MPa)

680

transv.

17

max (%)

C: 0,22 Si: 0,60

S: 0,025 Nb: 0,050

V: 0,20 Ti: 0,03 Cr: 0,30 Ni: 0,80 Mo: 0.10 Cu: 0.70

Mn: 1,70 P: 0,030

UK designated

technical specification /

Harmonised technical

specification

BS EN 10210-2:2019 /

EN 10210-2:2019

BS EN 10210-1:2006 /

EN 10210-1:2006

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.



(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

 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 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.

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Iterances on
Specification Specificatio
Values
Outside diameter
Shape
Ovality
Straightness 0,2% of total length and 3mm/1m -6% / +8% for particular lengths
Mass
Nominal thickness (mm)
(mm)
Second
16 460
16
(mm) > ≤ Rm min (MPa) > 65 540 720 Elongation Nominal thickness (mm) Values > ≤ min (%) longit. transv.
(mm) > ≤ Rm min (MPa) max (MPa) 65 540 720 Elongation Nominal thickness (mm) Values > ≤ min (%) longit. transv.
65 540 720
Nominal thickness (mm) Values
(mm) min (%) > ≤ Iongit. transv.
> ≤ min (%) longit. transv.
longit. transv.
65 17 15 BS EN 10210-1:2006
pact strength Nominal thickness Values EN 10210-1:2006
(mm)
> ≤ KV2Lmin (J)
40 40 at -20°C
Veldability Nominal thickness Values
(mm)
Chemical > ≤ in (%) max (%) mposition + 65 Al : 0.020 C : 0.22 Si : 0.60
7 titot 1 3,020 3 1 3,020 3 1 3,000
Will 1,00 Will 1,70 F . 0,033
3 . 0,030 [45 . 0,030]
V: 0,20 Ti: 0,03
V: 0,20 Ti: 0,03 Cr: 0,30 Ni: 0,80
V: 0,20 Ti: 0,03
V: 0,20 Ti: 0,03 Cr: 0,30 Ni: 0,80 Mo: 0,10 Cu: 0,70
V: 0,20 Cr: 0,30 Mo: 0,10 N: 0,025



(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) ---

- 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.

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Essential characteristic	Performance				UK designated technical specification / Harmonised technical specification
Tolerances on			Values		
dimensions and	Outside diameter		±1%, min ±0,5 and max ± 10mm		
shape	Wall thickness		- 10% (loc12,5%) / +8% mass		BS EN 10210-2:2019 /
	Ovality		2%		EN 10210-2:2019
	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	460		
	16	40	440		
Tensile strength	Nominal thickness (mm)		Values		
	>	≤	Rm min (MPa)	max (MPa)	
		65	540	720	
Elongation	Nominal thickness (mm)		Values		
	> `	, ≤	min (%)		1
			longit.	transv.	
		65	17	15	BS EN 10210-1:2006 /
Impact strength	Nominal thickness		Values		EN 10210-1:2006 / EN 10210-1:2006
'	(r	(mm)			
	>	≤	KV2Lmin (J)		
		40	27 at -50°C		
Weldability	Nominal thickness (mm)		Values		
Chemical	>	≤	in (%)	max (%)	
composition +		65	Al _{tot} : 0,020	C: 0,22 Si: 0,60	
CEV			Mn : 1,00	Mn: 1,70 P: 0,030	
(cast analysis)				S: 0,025 Nb: 0,050	9
				V: 0,20 Ti: 0,03 Cr: 0,30 Ni: 0,80	
]		Mo : 0,10 Cu : 0,70	
				N: 0,025	
		16		CEV: 0,53	
	16	65		CEV: 0,55	
Durability	NPD				