DECLARATION OF PERFORMANCE

No BTR/2023/2

1. Unique identification code of the product- BTR <ho> type

2. Intended use For structural use in all types of construction works

3. Manufacturer BALEX METAL Sp. z o.o. ul. Wejherowska 12C, 84-239 Bolszewo

System of Assessment and Verification of 2+ 4. Constancy of Performance

5. Harmonised standard EN 1090-1:2009+A1:2011 Notified body Technický a skúšobný ústav stavebný, n.o. (No 1301)

6. Declared performances Table 1

7. Appropriate Technical Documentation or Reference number of the appropriate technical documentation Specific Technical Documentation used: BTR/2023/2 Requirements to which the product conforms: p. 4.6 EN 1090-1:2009+A1:2011

Designations:

Bolszewo, 12.12.2023

NPD - No Performance Determined

hp - profile height of the structural steel trapezoidal sheeting

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

> Signed for and on behalf of the manufacturer by: Chief Executive Officer

> > Marek Dzikiewicz

BALLXMETAL Co - 0.0. 84-239 Bolszewo, ul. Wejherowska 120 tel. 58 778-44-44, fax 58 778-44-55 NIP 588-11-30-299 P-191112216

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Table 1. Performances

	PRODUCTS	BTR50	BTR60	BTR85	BTR93	BTR135	BTR139	BTR150	BTR153	BTR160	
Essential characteristics		Declared performances									
Deviation from flatness of a nominally flat component \(\Delta \) Tolerance on depth of profile [mm] Tolerance on depth of stiffeners (crown) [mm]		NPD									
		±1									
		+3 -1									
		+2 -0,3	+2 -0,6 +2 -0,9				+2 -1,28	+2 -1,3	+2 -0,9		
Tolerance on the pitch [mm]		±2 ±3 ±4									
and valley [mm]		+4 -1									
Tolerance on depth of stiffeners (web) [mm] Tolerance on the pitch [mm] Tolerance on widths of crown and valley [mm] Tolerance on cover width and limit value for contraction or bulging [mm] Tolerance on radius of bends [mm] Deviation from straightness Deviation from squareness		±5	±6	±8	±9	±13	±13,9		±15		
Tolerance on radius of bends [mm]		±2									
Deviation from straightness		2,0 mm/m of sheet length not exceeding 10 mm									
Deviation fro [mm]	m squareness	±5,19	±4,7	±5,6	±5,2	±5,0	±4,8	±4,3	±4,2	±3,75	
Tolerance or	n length (I)	+10 mm, - 5 mm (I ≤ 3000 mm); +20 mm, - 5 mm (I > 3000 mm)									
Deviation of	side lap	±2 mm on a length of 500 mm									
Curve radius and angles			NPD								
Weldability		NPD									
Fracture toughness, impact resistance		NPD									
Reaction to fire		A1									
Release of cadmium and its compounds		NPD									
Emission of radioactivity		NPD									
Steel grade Thickness [mm]		S320GD									
		0,75÷1,25					0,70	'0÷1,50 0,75÷1,50		÷1,50	
Z.m.y	Organic coatings (thickness)	SP 15 (15 μm)									
	Load bearing capacity	Design calculations acc. to ENV 1993-1-3:1996/AC:1997									
etural	Deformation at serviceability limit state	NPD									
acteristics	Fatigue strength		NPD								
	Resistance to fire	RE15* / RE30*									
	Execution	Execution class EXC1 and EXC2 acc. to EN 1090-4+A1									
	Deviation fro nominally flated Tolerance or stiffeners (cr. Tolerance or stiffeners (wow. Tolerance or and valley [n. Tolerance or and valley [n. Tolerance or limit value for bulging [mm.] Tolerance or [mm.] Deviation fro [mm.] Tolerance or Deviation of Curve radius Weldar Fracture tough resist Reaction delease of carcomposition of Curve radius which is the state of	Deviation from flatness of a nominally flat component \(\Delta \) Tolerance on depth of profile [mm] Tolerance on depth of stiffeners (crown) [mm] Tolerance on depth of stiffeners (web) [mm] Tolerance on depth of stiffeners (web) [mm] Tolerance on the pitch [mm] Tolerance on the pitch [mm] Tolerance on cover width and limit value for contraction or bulging [mm] Tolerance on radius of bends [mm] Deviation from straightness Deviation from squareness [mm] Tolerance on length (I) Deviation of side lap Curve radius and angles Weldability Fracture toughness, impact resistance Reaction to fire Release of cadmium and its compounds Emission of radioactivity Steel grade Thickness [mm] Organic coatings (thickness) Load bearing capacity Deformation at serviceability limit state Fatigue strength Resistance to fire Execution	Deviation from flatness of a nominally flat component \(\Delta \) Tolerance on depth of profile [mm] Tolerance on depth of stiffeners (crown) [mm] Tolerance on depth of stiffeners (web) [mm] Tolerance on the pitch [mm] Tolerance on the pitch [mm] Tolerance on widths of crown and valley [mm] Tolerance on cover width and limit value for contraction or bulging [mm] Tolerance on radius of bends [mm] Deviation from straightness Deviation from squareness [mm] Tolerance on length (I) Deviation of side lap Curve radius and angles Weldability Fracture toughness, impact resistance Reaction to fire Release of cadmium and its compounds Emission of radioactivity Steel grade Thickness [mm] Organic coatings (thickness) Load bearing capacity Deformation at serviceability limit state Fatigue strength Resistance to fire Execution	Deviation from flatness of a nominally flat component \(\Delta \) Tolerance on depth of profile [mm] Tolerance on depth of stiffeners (crown) [mm] Tolerance on depth of stiffeners (web) [mm] Tolerance on the pitch [mm] Tolerance on the pitch [mm] Tolerance on widths of crown and valley [mm] Tolerance on cover width and limit value for contraction or bulging [mm] Tolerance on radius of bends [mm] Deviation from straightness Deviation from squareness [mm] Tolerance on length (I) Peviation of side lap Curve radius and angles Weldability Fracture toughness, impact resistance Reaction to fire Release of cadmium and its compounds Emission of radioactivity Steel grade Thickness [mm] Organic coatings (thickness) Load bearing capacity Deformation at serviceability limit state Fatigue strength Resistance to fire Execution Execution Execution Execution	Deviation from flatness of a nominally flat component Δ Tolerance on depth of profile [mm] Tolerance on depth of stiffeners (crown) [mm] Tolerance on depth of stiffeners (web) [mm] Tolerance on the pitch [mm] Tolerance on the pitch [mm] Tolerance on widths of crown and valley [mm] Tolerance on cover width and limit value for contraction or bulging [mm] Tolerance on radius of bends [mm] Deviation from straightness Deviation from squareness	Deviation from flatness of a nominally flat component \(\Delta \) Tolerance on depth of profile [mm] Tolerance on depth of stiffeners (crown) [mm] Tolerance on depth of stiffeners (crown) [mm] Tolerance on depth of	Deviation from flatness of a nominally flat component Δ	Deviation from flatness of a nominally flat component Δ Tolerance on depth of profile [mm]	Deviation from flatness of a nominally flat component A SPD	Deviation from flatness of a nominally flat component \(\) Tolerance on depth of profile [mm]	

^{* -} valid under the conditions specified in the classification for fire resistance