

Section 1: General Information

0. Identification of the type

0.1 0.2 0.4 Type ID: 51-411-0001-5-001-001
0.3 Date of record: 2021-11-25

1. General Information

1.1 Type name: Sgns 60ft
1.2 Alternative type name:

1.3 Manufacturer:

1.3.1 Manufacturer identification data:

1.3.1.1 Name of organisation: Gök Yapı Sanayi Ticaret Anonim Şirketi
1.3.1.2 Registered business number:
1.3.1.3 Organisation code:

1.3.2 Manufacturer contact data:

1.3.2.1 Address of organisation, street and number: Ahmet Turan Gazi Mahallesi O.S.B 2. Kısım 6. Cadde 9. Sokak No 17
1.3.2.2 Town: Sivas
1.3.2.3 Country code: 58060
1.3.2.4 Post code: 58060
1.3.2.5 E-mail address:

Registration Method: New Type
Registered Vehicle Type:
1.4 Category: Freight Wagons
1.5 Subcategory: Freight wagon
1.6 Platform: Sgns 60 ft

Section 2: Conformity with TSI

2.1 Conformity with TSI and Sections not complied with:

1435mm **WAG (Reg (EU) No 321/2013 amended by Reg (EU) No 1236/2013 amended by Reg (EU) 2015/924 amended by Reg (EU) 2019/776) + clause 7.1.2 + Appendix C totally [GE Wagon] Noise (Regulation (EU) No 1304/2014 amended by Regulation (EU) 2019/774)**

2.3 Applicable specific cases (specific cases conformity with which has been assessed)

2.2 Reference of 'EC type examination certificates'

Reference of 'EC type examination certificates' - if module SB applied - and/or 'design verification certificate' - if module SH1 applied 2329/1/SB/2021/RST/DEEN/0846/V01

Section 3: Authorisations

European Union

3.0 Area Of Use:	EU(European Union)
3.1.1 Member state of authorisation:	European Union(EU)
3.1.2.1 Status:	Valid
3.1.2.2 Validity of Authorisation (until):	
3.1.2.3 Coded conditions for use and other restrictions:	1435mm 1 Technical restriction related to construction 1.1 Minimum curve radius in meters: 75 1.3 Speed restrictions in Km/h: 100 2 Geographical restriction 2.1 Kinematic gauge (coding WAG TSI): G1, GI1 2.2 Wheelset gauge: 2.2.4 Gauge 1435 2.3 No CCS on board: True 3 Environmental restrictions 3.1 Climatic zone: 3.1.1 T1
3.1.2.4 Non-coded conditions for use and other restrictions:	1435mm Note: Climatic zone EN 50125:2014: T1, T3 The maximum cant deficiency is 130 mm
3.1.3.1.1 Date of the original authorisation:	2021-11-25
3.1.3.3.2 Date of the last modification:	2021-12-07
3.1.3.3.3 Authorisation holder:	
3.1.3.3.3.1 Authorisation holder identification data:	
3.1.3.3.3.1.1 Name of organisation:	Gök Yapı Sanayi Ticaret Anonim Şirketi
3.1.3.3.3.1.2 Registered business number:	398 065 0551
3.1.3.3.3.1.3 Organisation code:	
3.1.3.3.3.2 Authorisation holder contact data:	
3.1.3.3.3.2.1 Address of organisation, street and number:	Ahmet Turan Gazi Mahallesi O.S.B 2. Kısım 6. Cadde 9.
3.1.3.3.3.2.2 Town:	Sivas
3.1.3.3.3.2.3 Country code:	58060
3.1.3.3.3.2.4 Post code:	58060

3.1.3.3.3.2.5 E-mail address: info@gokgrup.com

3.1.3.3.4 Authorisation document reference: EU8020210214

3.1.3.3.5 Certificate of verification : Reference of type examination or design examination type:
2329/1/SB/20
21/RST/DEEN/
0846/V01

3.1.3.3.6 Parameters for which conformity to applicable national rules has been assessed:
1435mm
0.0 None

3.1.3.3.7 Comments:

3.1.3.3.8 Reference to the written declaration by the proposer referred to in Article 3(11) of Regulation (EU) 402/2013: D02) Sicherheitsnachweis_Gök Yapi_V.03.pdf

3.1.3.1 Initial Registration

3.1.2.3 Coded conditions for use and other restrictions:

1435mm

1 Technical restriction related to construction
1.1 Minimum curve radius in meters: 75
1.3 Speed restrictions in Km/h: 100
2 Geographical restriction
2.1 Kinematic gauge (coding WAG TSI): G1, GI1
2.2 Wheelset gauge: 2.2.4 Gauge 1435
2.3 No CCS on board: True
3 Environmental restrictions
3.1 Climatic zone: 3.1.1 T1

3.1.2.4 Non-coded conditions for use and other restrictions:

1435mm
Note: Climatic zone EN 50125:2014: T1, T3
The maximum cant deficiency is 130 mm

3.1.3.1.1 Date of the original authorisation: 2021-11-25

3.1.3.1.2 Authorisation holder:

3.1.3.1.2.1 Authorisation holder identification data:

3.1.3.1.2.1.1 Name of organisation: Gök Yapı Sanayi Ticaret Anonim Şirketi
3.1.3.1.2.1.2 Registered business number: 398 065 0551

3.1.3.1.2.1.3 Organisation code:

3.1.3.1.2.2 Authorisation holder contact data:

3.1.3.1.2.2.1 Address of organisation, street and number: Ahmet Turan Gazi Mahallesi O.S.B 2. Kısım 6. Cadde 9.

3.1.3.1.2.2.2 Town: Sivas

3.1.3.1.2.2.3 Country code: 58060

3.1.3.1.2.2.4 Post code: 58060

3.1.3.1.2.2.5 E-mail address: info@gokgrup.com

3.1.3.1.3 Authorisation document reference: EU8020210214

3.1.3.1.4 Certificate of verification : Reference of type examination or design examination type:

2329/1/SB/20
21/RST/DEEN/
0846/V01

3.1.3.1.5 Parameters for which conformity to applicable national rules has been assessed:

1435mm

0.0 None

3.1.3.1.7 Reference to the written declaration by the proposer referred to in Article 3(11) of Regulation (EU) 402/2013:

TR/00000000311250/2021/000004

3.1.3.2 Correction

3.1.3.2.2 Date of the last modification: 2021-11-25

3.1.3.2.6 Parameters for which conformity to applicable national rules has been assessed:

3.1.3.2.8 Reference to the written declaration by the proposer referred to in Article 3(11) of Regulation (EU) 402/2013:

D02) Sicherheitsnachweis_Gök Yapi_V.03.pdf

3.1.3.3 Modification

3.1.3.3.2 Date of the last modification: 2021-12-07

3.1.3.3.6 Parameters for which conformity to applicable national rules has been assessed:

Section 4: Technical Characteristics

4.1.3 Wheel set gauge
RC 1435 mm

4.1.12 Number of
vehicles composing the
fixed formation (for fixed
formation only) 1

4.1.2 Speed

4.1.2.1 Maximum design speed	1435mm	100	km/h		
4.2.1 Reference profile RC		G1			
4.3.1 Temperature range		T1 (-25 to +40) T3 (-25 to +45)			
4.3.3 Snow, ice and hail conditions		Nominal			
4.5.1 Permissible payload for different line categories RC	1435mm	A (46,7) B1 (54,7) B2 (54,7) C2 (64,7) C3 (64,7) C4 (64,7) D2 (72,7) D3 (72,7) D4 (72,7) D5 (72,7)	t t t t t t t t t t		
4.6.4 Combination of maximum speed and maximum cant deficiency for which the vehicle was assessed RC	1435mm	0120.00	km/h	0130.00	mm
4.6.5 Rail inclination RC	1435mm	1/20 and 1/40			
4.7.2.1 Brake performance on steep gradients with normal payload					
4.7.2.1.1 Reference case of TSI		Reference case (70 km/h, 21‰ (mm/m), 40 km)			
4.7.2.1.6 Maximum brake thermal energy capacity	1435mm	45	kJ		
4.7.3 Parking brake					
4.7.3.4 Parking brake	1435mm	True			
4.7.6 For general operation : Brake weight percentage (lambda) or Braked mass	1435mm			00058.00	tonnes

4.7.7 Service brake: At maximum service brake:	1435mm	0680.00	m	0000.63	m/s ²
Stopping distance, Maximum deceleration, for the load condition 'design mass under normal payload' at the design maximum speed.					
4.7.8 Wheel slide protection system	1435mm	False			
4.8.2 Minimum in-service wheel diameter RC		840	mm		
4.8.5 Minimum vertical convex curve radius capability		300	m		
4.8.6 Minimum vertical concave curve radius capability		250	m		
4.9.1 Type of end coupling	Manual				
	Tensile force	1350.0000	kN		
	Compressive force	1500.0000	kN		
4.9.2 Axle bearing condition monitoring (hot axles box detection) RC					Detectable by line side
4.14.1 Type of train detection systems for which the vehicle has been designed and assessed RC					Track circuits Axle counters Loops