

Section 1: General Information

0. Identification of the type

0.1 0.2 0.4 Type ID: 51-341-0001-4-001-002

0.3 Date of record: 2021-07-16

1. General Information

1.1 Type name: new version of Gök Yapi Sggrs 80

1.2 Alternative type name: Sggrs

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 Version of a registered Type Directive 2008/57/EC

Registered Vehicle Type: 51-341-0001-4-001

1.4 Category: Freight Wagons

1.5 Subcategory: Freight wagon

1.6 Platform: Gök Yapi Sggrs 80

Section 2: Conformity with TSI

2.1 Conformity with TSI and Sections not complied with:

1435mm

Noise (Regulation (EU) No 1304/2014 amended by Regulation (EU) 2019/774) WAG (Reg(EU) No321/2013 amended by Reg(EU)No1236/2013 amended by Reg(EU)2015/924 amended by Reg(EU)2019/776 amended by Reg(EU)2020/387)+clause7.1.2+Appendix C totally[GE Wagon]

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/0790/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: 120 (empty wagon) / 100 (loaded wagon)

2 Geographical restriction

2.1 Kinematic gauge (coding WAG TSI): G1

2.2 Wheelset gauge: 2.2.4 Gauge 1435

2.3 No CCS on board: True

3 Environmental restrictions

3.1 Climatic zone: 3.1.3 T3

3.1.2.4 Non-coded conditions for use and other restrictions:

1435mm

The coded restrictions should include T1 as well but the system allows to select only one. It was selected T3 as it includes T1. For conformity to type see parameter 4.3.1 where both are listed.

The vehicle is category FII: no hump shunting in loaded condition. The maximum cant deficiency is 130 mm.

3.1.3.1.1 Date of the original authorisation:

2021-07-16

3.1.3.2.2 Date of the last modification:

2021-11-29

3.1.3.2.3 Authorisation holder:

3.1.3.2.3.1 Authorisation holder identification data:

3.1.3.2.3.1.1 Name of organisation:

Gök Yapı Sanayi Ticaret Anonim Şirketi

3.1.3.2.3.1.2 Registered business number:

398 065 0551

3.1.3.2.3.1.3 Organisation code:

3.1.3.2.3.2 Authorisation holder contact data:

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

3.1.3.2.3.2.2 Town: Sivas

3.1.3.2.3.2.3 Country code: 58060

3.1.3.2.3.2.4 Post code: 58060

3.1.3.2.3.2.5 E-mail address: info@gokgrup.com

3.1.3.2.4 Authorisation document reference: CH5920193411

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

2329/1/SB/20
21/RST/DEEN/
0790/V01

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

1435mm

0.0 None

The type 51-341-0001-4-001 has been authorised by the Swiss NSA and it is compliant with Clause 7.1.2 of CR WAG TSI (Regulation (EU) No 321/2013) + Appendix C of CR WAG TSI (Regulation (EU) No 321/2013)

3.1.3.2.7 Comments:

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

"Risk declaration covering the modification of Sggrs 80 ft wagon" of 12.07.2021

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: 120 (empty wagon) / 100 (loaded wagon)

2 Geographical restriction

2.1 Kinematic gauge (coding WAG TSI): G1

2.2 Wheelset gauge: 2.2.4 Gauge 1435

2.3 No CCS on board: True

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3.1 Climatic zone: 3.1.3 T3

3.1.2.4 Non-coded conditions for use and other restrictions:

1435mm

The coded restrictions should include T1 as well but the system allows to select only one. It was selected T3 as it includes T1. For conformity to type see parameter 4.3.1 where both are listed.

3.1.3.1.1 Date of the original authorisation: 2021-07-16

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: CH5920193411

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

2329/1/SB/20
21/RST/DEEN/
0790/V01

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

1435mm

0.0 None

3.1.3.1.6 Comments:

The type 51-341-0001-4-001 has been authorised by the Swiss NSA and it is compliant with Clause 7.1.2 of CR WAG TSI (Regulation (EU) No 321/2013) + Appendix C of CR WAG TSI (Regulation (EU) No 321/2013)

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

"Risk declaration covering the modification of Sggrs 80 ft wagon" of 12.07.2021

3.1.3.2 Correction

3.1.3.2.2 Date of the last modification: 2021-11-29

3.1.2.4 Non-coded conditions for use and other restrictions:

1435mm

The coded restrictions should include T1 as well but the system allows to select only one. It was selected T3 as it includes T1. For conformity to type see parameter 4.3.1 where both are listed.

The vehicle is category FII: no hump shunting in loaded condition. The maximum cant deficiency is 130 mm.

3.1.3.2.6 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 (70,7) B1 (82,7) B2 (82,7) C2 (94,7) C3 (94,7) C4 (94,7) D2 (109,7) D3 (109,7) D4 (109,7) D5 (109,7)	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	,		(%) or	00088,00 tonnes
4.7.7 Service brake: At maximum service brake: Stopping distance, Maximum deceleration, for the load condition 'design mass under normal payload' at the design maximum speed.	1435mm	0679,70		m	0000,62 m/s ²
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