

SAYFA 1

REPUBLIC OF TURKEY  
GENERAL DIRECTORATE OF TURKISH STATE  
RAILWAYS  
FREIGHT OFFICE HEADSHIP

# FREIGHT CAR GUIDANCE

## GENERAL INFORMATION

- Application to our offices is necessary in order for your railway transfers.
- Our transfer service requires the owner of the Cargo (sender) to deliver the good into the loading spot, and have the goods loaded onto the car.
- Cars put under the order of the customer in order to be loaded or discharged are required to be loaded/discharged within the exemption interval granted by our tariff.
- The fee for the goods to be transferred will be charged upon departure or arrival in cash. Also the payments for transfers are enabled to be paid on account or with a credit card.
- Transfers to and from European Countries, Syria, Iraq, Iran, Turkish Republics and the Commonwealth of Independent States can be made with TCDD along with other third countries mutually, passing the stated countries transit.
- Some of our Offices provide the services of load and discharge of heavy loads, scaling and the preservation of the duty paid goods.
- In import and export transactions from ports of İzmir, Haydarpaşa, Mersin, Samsun, Bandırma, Derince, İskenderun and Zonguldak, the domestic connections (as General Cargo and containers) can be made via cars.
- You can visit [www.tcdd.gov.tr](http://www.tcdd.gov.tr) and call our offices of which the numbers you can find on the back page of our guide for further information regarding Railway transfer.

GENERAL DIRECTORATE OF TURKISH STATE  
RAILWAYS  
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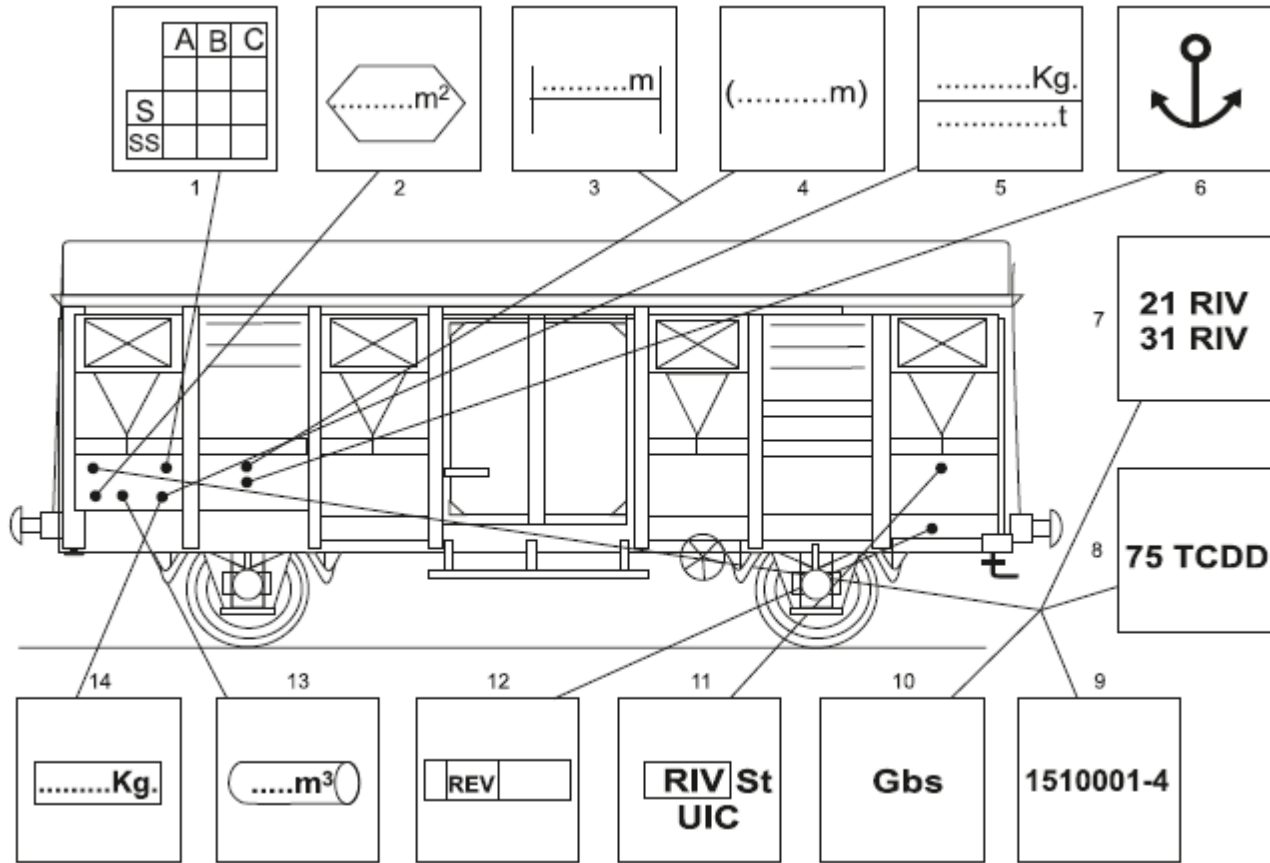
SAYFA 5

The Higher Development in the Economical Life in Turkey will Only Be Possible With Railways.

Mustafa Kemal Atatürk (1931-Malatya)

**Range Table**

SCRIPTS AND SYMBOLS ON THE CAR



## **BRIEF DESCRIPTIONS FOR THE SCRIPTS AND SYMBOLS ON THE CARS**

1. The loading limits stated within this table Show the loading amounts possible for the car according to the line class (axis pressure). The General Class of the TCDD lines is C2, i.e 2 tons, while some cuts are D2, meaning 22,5 tons. The cars are loaded considering the lowest axis pressure on the route with which the freight will take place. In order for cars to be loaded with 22,5 tons the loading limit for class D lines in the loading table (showing that the car is manufactured convenient for 22.5 tons of axis pressure) should be should be scripted. If no loading limit is written on the car for D class lines, that car cannot be loaded according to 22.5 tons of axis pressure.
2. The number written inside this hexagonal symbol is the base area square measure.
3. Shows the loading length of the car.
4. Indicates the length between tampons of the car.
5. The weight (Kg) value on the upper part of this rectangular symbol indicates the counterweight of the car, while the number of ton(t) value on the bottom indicate the handbrake force.
6. Indicates that the car can be transferred with a ferry.
7. Indicates the status of the car in means of being a railway or personal car, its compliance in the international standards and the number of axles.
8. Indicates the owning administration of the car, or Railway administration member of the UIC (International Union of Railways) approving that car , if it belongs to a third person.
9. Indicates the number given according to the International standards in accordance with its type paying regard to the construction of the car, the manufacture item number of the car.
10. The letter value showing the type of the car in international standards, paying regard to the construction style of the car.

**TYPES AND AREA OF USE OF THE FREIGHT CARS**

TYPE	CONSTRUCTION STYLE	FEATURES
G	Closed car	All sorts of freights such as household goods, food products, bagged cement, fertilizers, live animals etc. are be made with the closed car.
H	Slidable Side Wall Closed Car	Freights of tracked items are made.
E	High Sided Car	Containers, coal , all sorts of ores, bricks, tiles, iron, pipes, sand, etc. are carried with normal type open cars with high sides.
K,R	Platform Car	Vehicles, work and agriculture machines, concrete, iron and wooden poles, etc. are carried with normal type platform cars.
Rilns	Multi-Purpose Car	Platform type car and vehicle, tracked, coverable with hooded shades.
S	Platform Car	Containers, tanks, heavy duty vehicles, rigs etc. are carried with the special type platform cars.
F	High Sided Car	Coal and all sorts of ores are carried with the special type high sided car. The car is filled up from its upper part and discharged with the automatic discharge equipment from the side.
Ug	Special Type Car	Bulk grain is carried. The car is filled up from its upper part, and automatically discharged from the bottom.
Z	Tank Car	All sorts of fuel oil is carried with the tank car, which is intended for liquid freight.
Uaa	Heavy Duty Car	Heavy and balloon cargos of 120, 180 and 250 tons such as transformers, generators, and reactors.

## THE TCDD STRUCTURE AND FREIGHT TEMPLATE

**The template** indicates the values applied according to the UIC (International Union of Railways) legislations that apply during the construction of the railway equipment and plants.

**Vehicle template** indicates the values applied according to UIC (International Union of Railways) legislations in the manufacture of the railway vehicles.

**Freight template** indicates the values with which the load can be transported on the rail lines safely.

**Structure template** indicates the limit of the railway plants. Whether the loading values between the load template and the structure template line are acceptable is settled as a result of the **TCDD** examination. Loading values that exceed the structure template line cannot be accepted for freight.

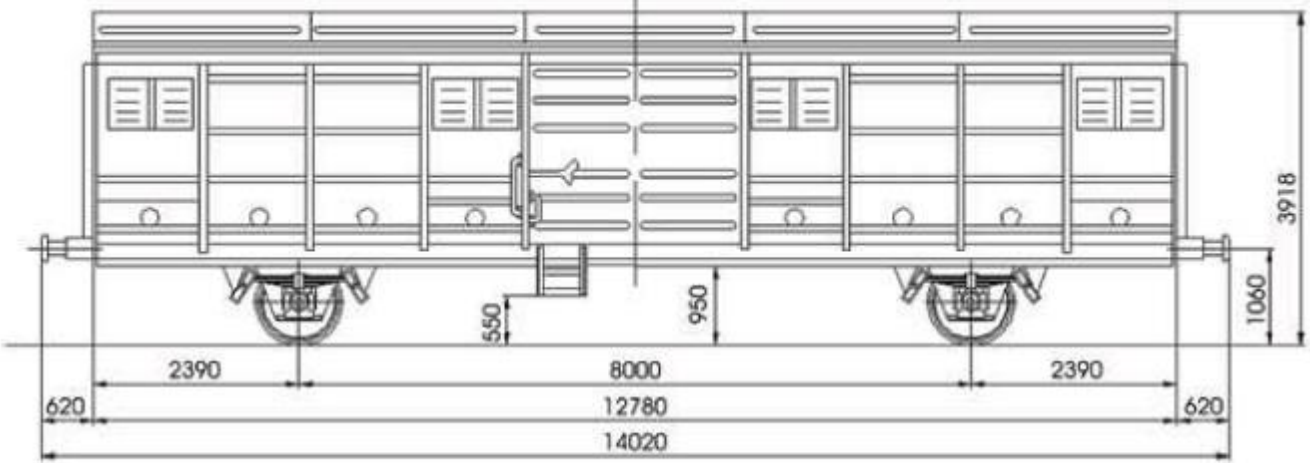
SAYFA 10

Gb-Ga Type Closed Car

Type		<b>Gbs</b>	<b>Gbs</b>	<b>Gbs</b>	<b>Gabs</b>
Serial No		150 0 101/510	151 0 001/676	151 0 001/3501	181 1 001/101
Loading capacity (ton)		26,5	24,5	25	61,5
Tare (ton)		13,5	15,5	15	28,5
Loading volume (m3)		82	82	82	137
Loading area (m2)		33	33	33	52
Loading length (m)		12,70	12,70	12,70	20,46
Loading width (m)		2,60	2,60	2,60	2,55
Side wall height (m)		2,15	2,15	2,15	2,15
Door Sizes (mm)		2250 x 2590	2250 x 2590	2250 x 2590	2150 x 4000
Basis material		Wood + metal sheet	Wood	Wood + metal sheet	Wood
Loading limits (ton)	A	18,5	16,5	17	35,5
	B	22,5	20,5	21	43,5
	C	26,5	24,5	25	51,5
	D				61,5



G TYPE CLOSED CAR



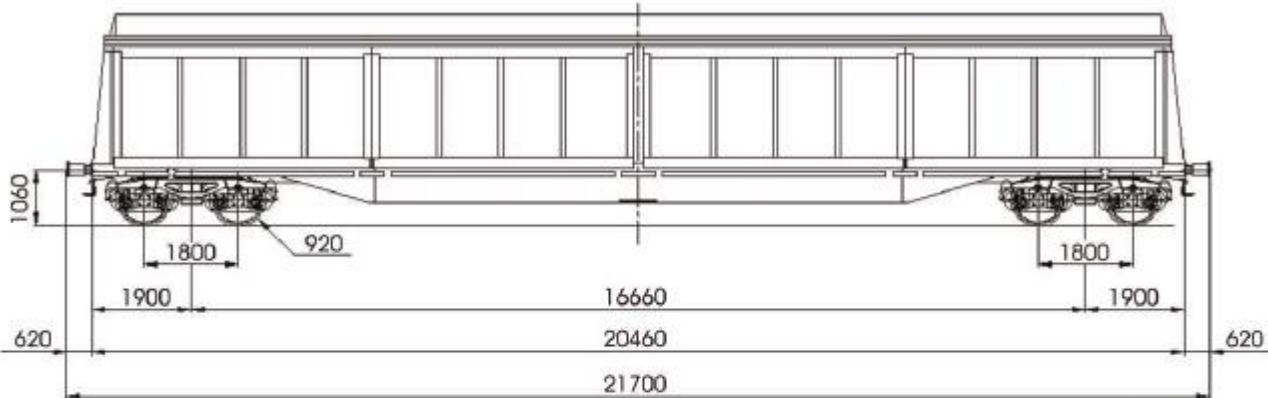
SAYFA 12

Habis Type Slideable Wall Car

Type		<b>Habis</b>	<b>Habis</b>	<b>Habis</b>	<b>Habis</b>
Serial No		275 2 001/340	275 2 341/390	285 1 001/202	285 1 203/402
Loading capacity (ton)		52	62	60,5	62
Tare (ton)		28	28	29,5	28
Loading volume (m3)		137	137	137	137
Loading area (m2)		2x25,6	2x51,2	51,2	51,2
Loading length (m)		19,70	19,70	19,70	19,70
Loading width (m)		2,36	2,36	2,36	2,36
Side wall height (m)		2,903	2,901	2,903	2,901
Door Sizes (mm)		2300 x 4900	2300 x 4900	2300 x 4900	2300 x 4900
Basis material		Wood	Wood + metal sheet	Wood + metal sheet	Wood + metal sheet
Loading limits (ton)	A	36	36	36	36
	B	44	44	44	44
	C	52	52	52	52
	D		62	60,5	62

SAYFA 13

H Type Slidable Wall Car



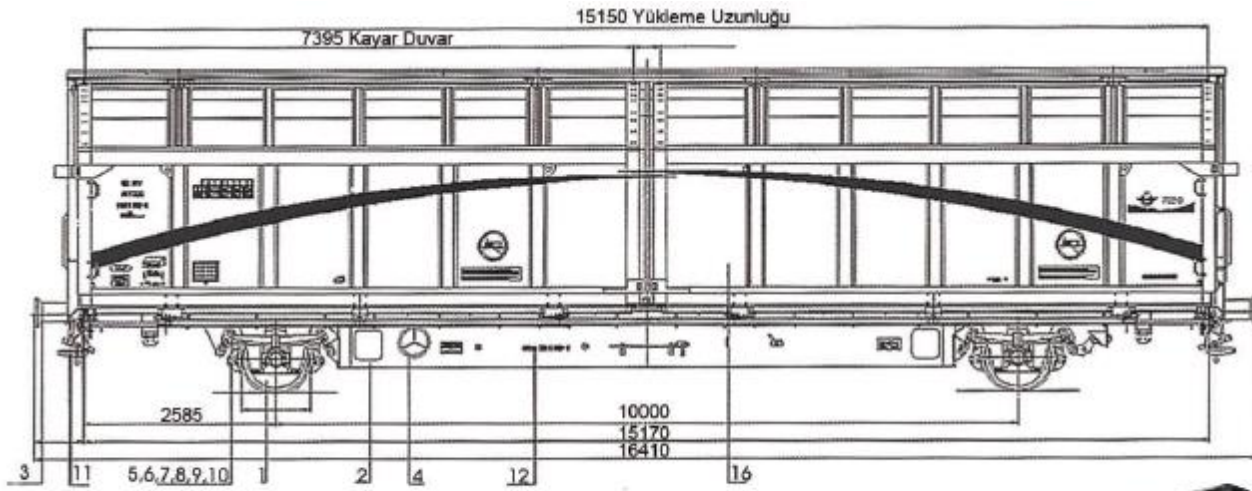
SAYFA 14

Hbbillnss Type Slidable Wall Car

Type	<b>Hbbillnss</b>	
Serial No	246 1 001/999	
Loading capacity (ton)	28	
Tare (ton)	17	
Loading volume (m3)	119	
Loading area (m2)	44	
Loading length (m)	15,150	
Loading width (m)	2,90	
Side wall height (m)	2,85	
Door Sizes (mm)	2x7395	
Basis material	Wood + metal sheet	
Loading limits (ton)	A	15
	B	19
	C	23
	D	28

SAYFA 15

H Type Slidable Wall Car



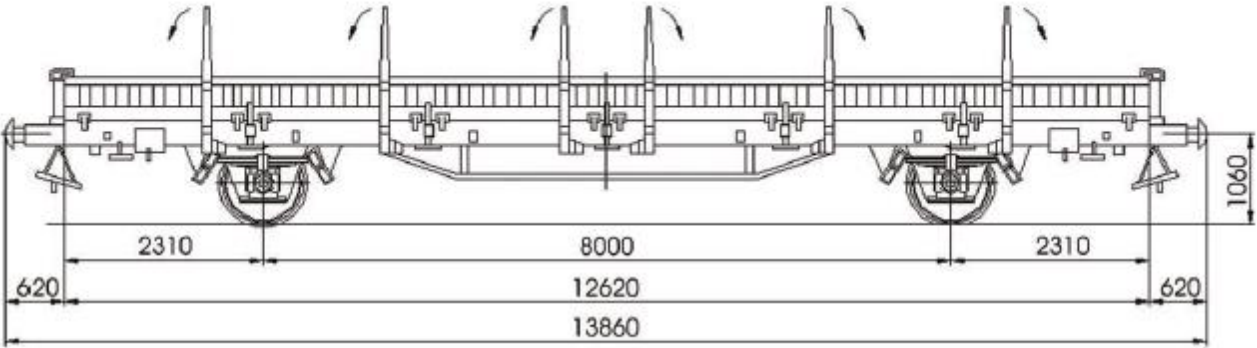
SAYFA 16

K-R Type Platform Car

Type		<b>Ks</b>	<b>Ks</b>	<b>Kls</b>	<b>Kls</b>	<b>Rems</b>	<b>Rs</b>
Serial No		330 0 001/1999	330 2 001/651	330 0 001/300	330 0 301/391	394 8 001/060	390 0 003/0701
Loading capacity (ton)		27	26	26	26	59	55
Tare (ton)		13	14	13,5	13,5	21	25
Loading volume (m3)		-	-	-	-	-	-
Loading area (m2)		34,6	34,6	32	34,6	30,68	51
Loading length (m)		12,5	12,5	12	12,5	11,80	18,5
Loading width (m)		2,77	2,77	2,77	2,77	2,60	2,78
Loading wall height (m)		0,44	0,44	0,50	0,44	0,55	-
Basis material		Wood + metal sheet	Wood + metal sheet	Wood	Wood + metal sheet	Wood + metal sheet	Wood + metal sheet
Number of masts		12	12	-	-	12	16
Loading limits (ton)	A	19	18	19	18,5	43	39
	B	23	22	23	22,5	51	47
	C	27	26	26	26,5	59	55

SAYFA 17

K Type Platform Car



SAYFA 18

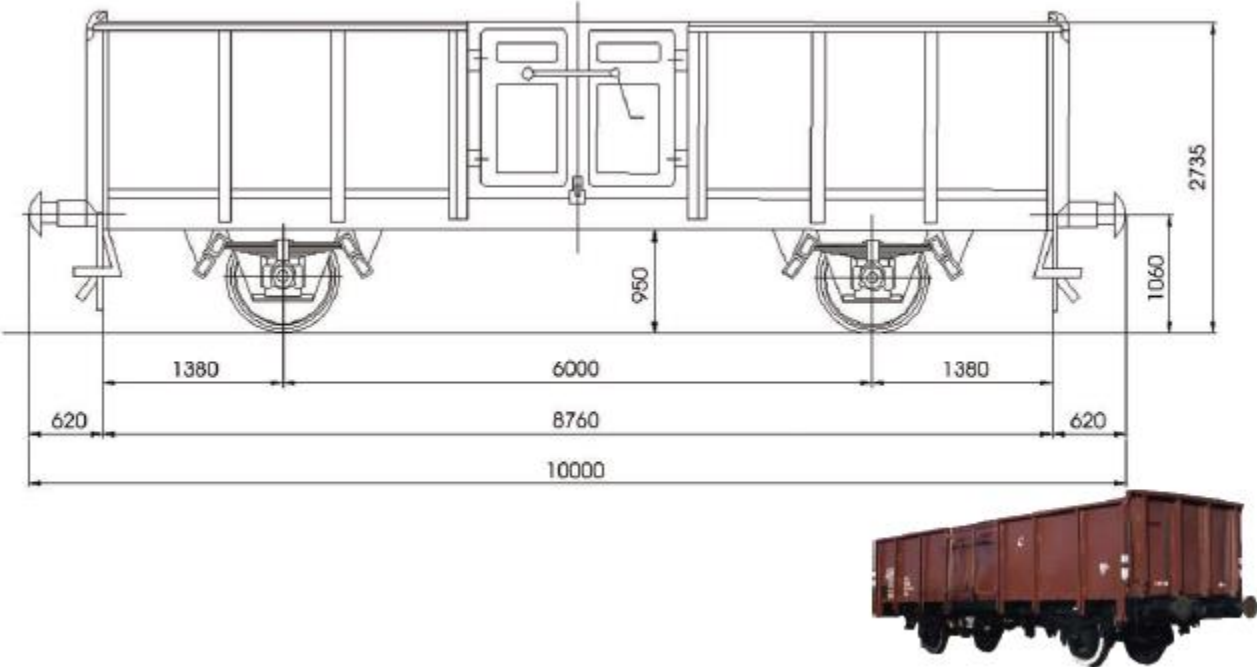
E Type High Sided Open Car

Type		<b>Els</b>	<b>Els</b>	<b>Es</b>	<b>Es</b>
Serial No		513 3 005/498 513 3 601/650	513 3 501/600	552 0 002/700 552 1 001/902	552 0 701/999
Loading capacity (ton)		28	27,5	28,5	28
Tare (ton)		12	12,5	11,5	12
Loading volume (m3)		36	36	36	34
Loading area (m2)		23,5	23,5	23,5	23,5
Loading length (m)		8,7	8,7	8,7	8,7
Loading width (m)		2,7	2,7	2,7	2,7
Side wall height (m)		1,5	1,5	1,5	1,5
Door Sizes (mm)		1900-1500	1900-1500	1900-1500	1900-1500
Basis material		Wood + metal sheet	Wood + metal sheet	Wood	Wood + metal sheet
Loading limits (ton)	A	20	19,5	20,5	20
	B	24	23,5	24,5	24
	C	28	27,5	28,5	28



SAYFA 19

E Type High Sided Open Car



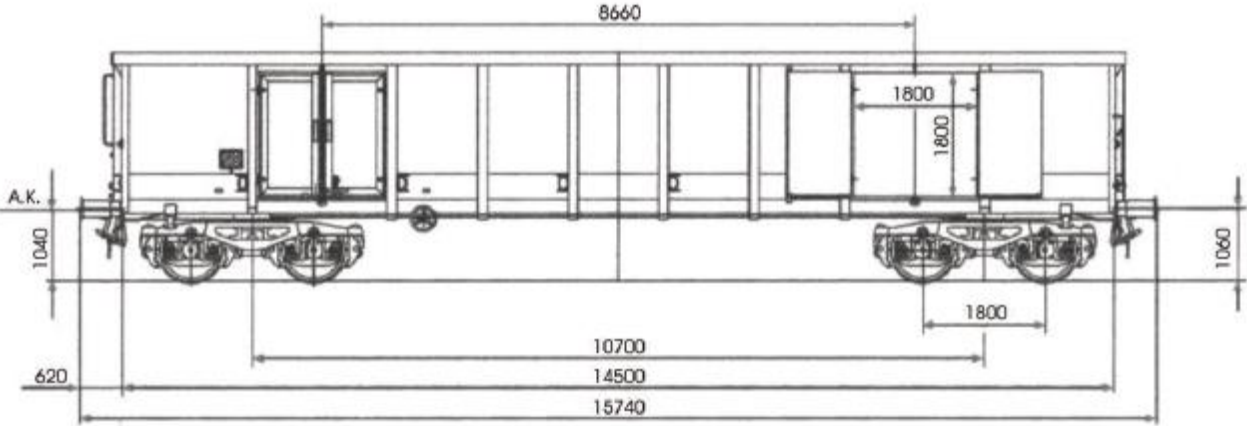
SAYFA 20

Ea Type High Sided Open Car

Type	<b>Eanoss</b>	<b>Eaos</b>	
Serial No	31 75 537 9 001/102	31 75 530 001/150	
Loading capacity (ton)	64	55,5	
Tare (ton)	26	24,5	
Loading volume (m3)	82,5	66	
Loading area (m2)	39,4	45	
Loading length (m)	14,4	16,5	
Loading width (m)	2,98	2,76	
Side wall height (m)	2,10	1,55	
Door Sizes (mm)	4x(1800x1800)	4x(1558x1400)	
Basis material	Metal sheet	Metal sheet	
Loading limits (ton)	A	38	39,5
	B	46	47,5
	C	54	55,5
	D	64	64

SAYFA 21

Ea Type High Sided Open Car



SAYFA 22 - 23

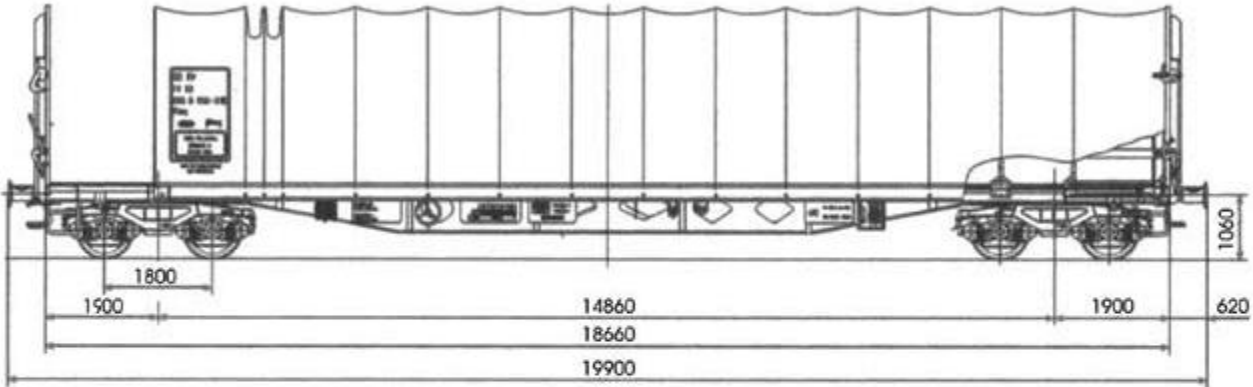
# LOADING CENTER

SAYFA 24

**Rilns Type Car**

Type	<b>Rilns</b>	
Serial No	31 75 354 6 001/100	
Loading capacity (ton)	62	
Tare (ton)	28	
Loading volume (m3)	96	
Loading area (m2)	48,64	
Loading length (m)	18,5	
Loading width (m)	2,64	
Basis material	Sheet Metal + Wooden	
Loading limits (ton)	A	37
	B	45
	C	53
	D	63

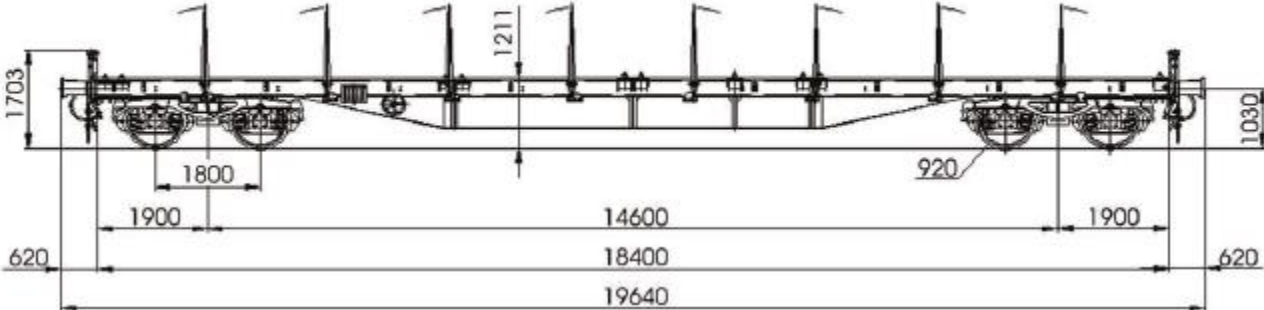
Rilns Typed Tilt Platform Car



## SAYFA 26

Type		<b>Sgs</b>	<b>Sgss</b>	<b>Sgs</b>	<b>Ss</b>	<b>Saps</b>
Serial No		454 0 001/451	456 8 001/350	456 8 351/800	470 0 001/501	485 5 001/020
Loading capacity (ton)		55	67	52,5	58	80
Tare (ton)		25	23	27,5	22	27
Loading volume (m3)		-	-	-	-	-
Loading area (m2)		48,64	52,44	48,64	35,6	39,38
Loading length (m)		18,5	18,4	18,5	11,30	12,50
Loading width (m)		2,64	2,85	2,64	2,70	3,15
Side wall height (m)		-	-	-	-	-
Basis material		Wooden + Sheet Metal	Wooden + Sheet Metal	Wooden + Sheet Metal	Wooden + Sheet Metal	Wooden + Sheet Metal
Mast number		16	16	16	8	8
Loading limits (ton)	A	39	41	36,5	40,5	38,5
	B	47	49	44,5	50	60,5
	C	55	57	52,5	58	80
	D		67			

S typed Platform Car

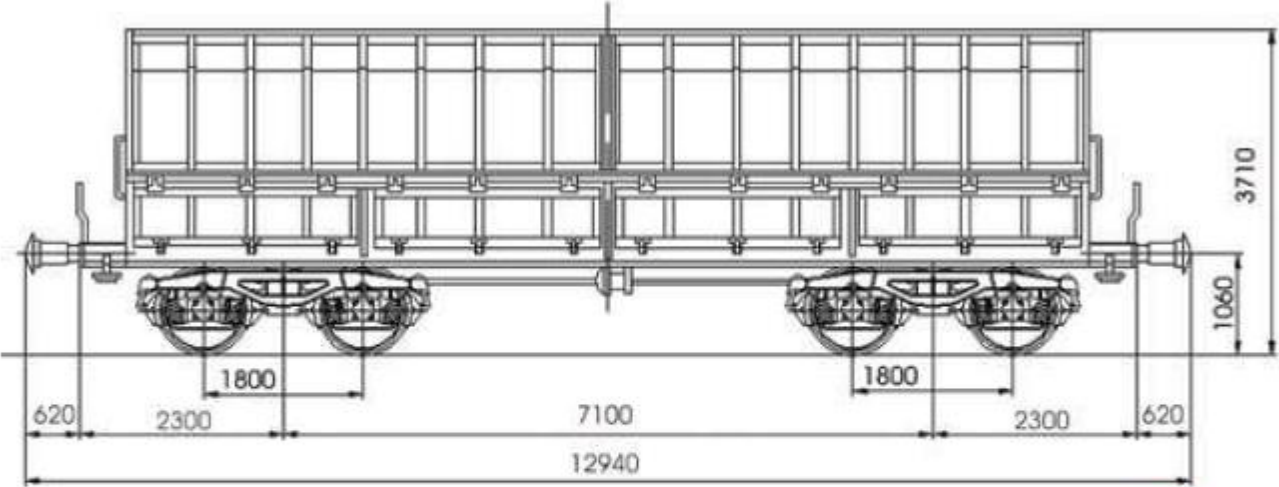




SAYFA 28

Type		<b>Fas</b>	<b>Fal</b>	<b>Fals</b>
Serial No		637 7 001/330	686 0 354/4013 655 3 190/4342	665 0 001/2707
Loading capacity (ton)		53,5	55	55
Tare (ton)		26,5	25	25
Loading volume (m3)		55	55	55
Loading area (m2)		-	29	30
Loading length (m)		10,5	10,70	10,2
Loading width (m)		3,1	3,1	2,94
Side wall height (m)		2,4	1,78	2,65
Automatic discharge facility		Yes	Yes	Yes
Basis material		Pad	Sheet metal	Pad
Loading limits (ton)	A	37,5	37	39
	B	45,5	47	47
	C	53,5	55	55

F typed High Sided Car

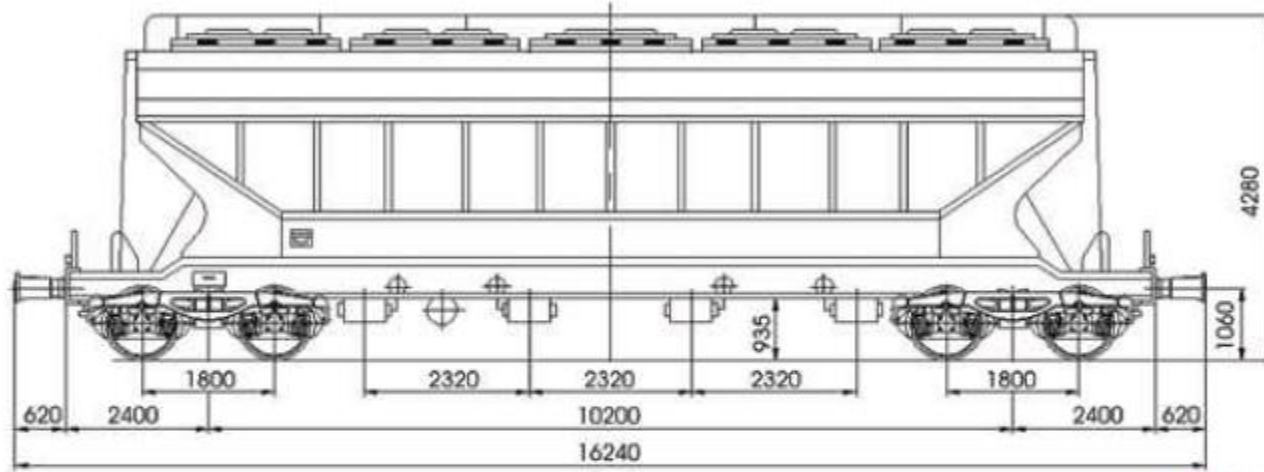


SAYFA 30

Uadgs Typed Grain Car

Type		<b>Uadgs</b>	<b>Uagoos-w</b>
Serial No		932 9 0011/300	935 8 001/033
Loading capacity (ton)		52,5	59,4
Tare (ton)		27,5	20,6
Loading volume (m3)		78	94
Loading length (m)		12,55	13,4
Loading width (m)		2950	2950
Discharge facility		Automatic	Automatic
Basis material		Sheet Metal	Sheet Metal
Loading limits (ton) (max. 90 km/s)	A	36,5	43
	B	44,5	51
	C	52,5	59

U typed Car

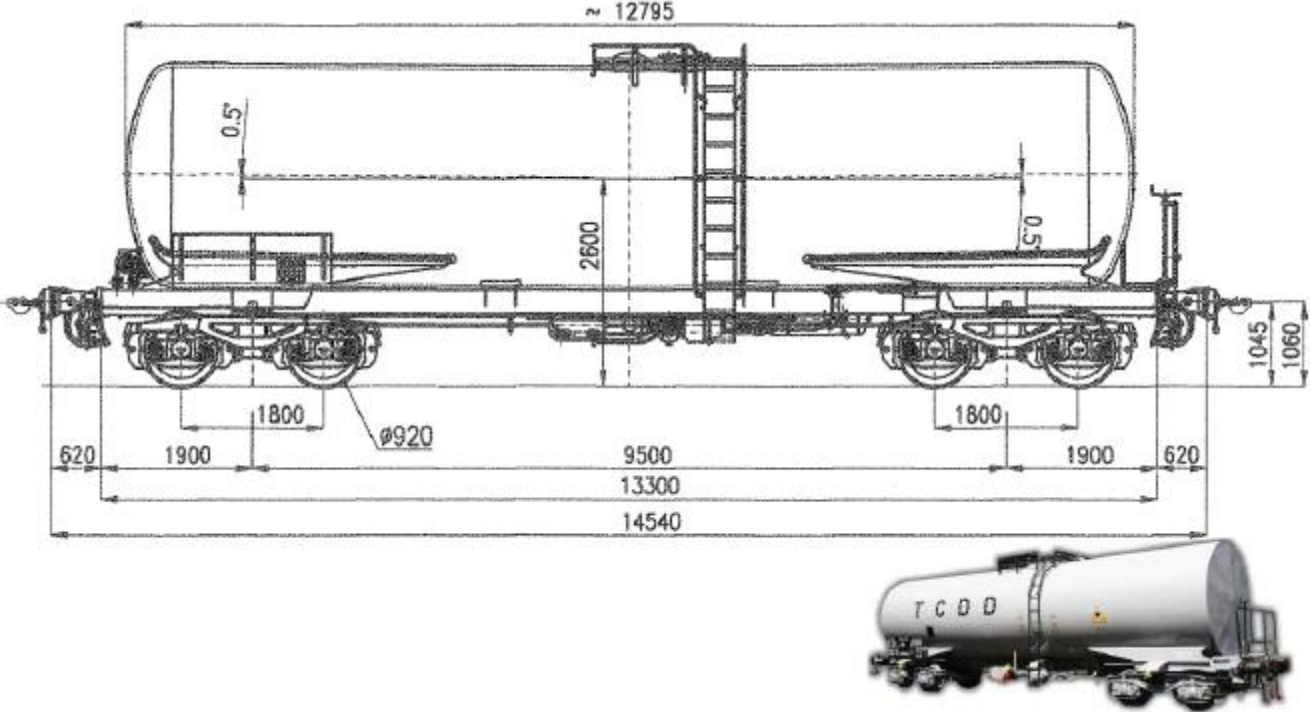


SAYFA 32

Z typed Tank Car for Liquid Transportation

Type		<b>Za</b>	<b>Za</b>	<b>Zae</b>	<b>Zas</b>	<b>Zas</b>	<b>Zas</b>	<b>Zas</b>
Serial No		758 1 001/034	758 0 002/107	788 0 001/37	784 9 002/95	796 8 001/100	785 1 001/45	794 2 001/09
Loading capacity (ton)		53	54	56,5	57,5	62	55	63
Tare (ton)		27	26	23,5	22,5	28	25	27
Loading volume (m3)		50	50	60	48	69	60	69
Heating facility		No	Yes	Yes	No	Yes	No	No
Loading limits (ton)	A	38,5	35,5	39	40	39	36	37
	B	47,6	47	48,5	49,5	47	44	45
	C	55,5	52	56,5	57,5	55	52	53
	D						62	63

Z Typed Tank Car

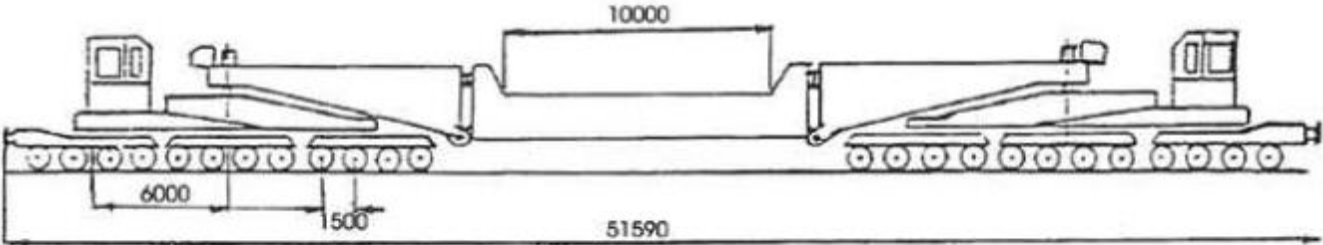


SAYFA 34

Uaais Typed Heavy Duty Cars

Type		<b>Uaais</b>	<b>Uaais</b>	<b>Uaais</b>
Serial No		995 2 001	995 6 001	995 8 001
Loading capacity (ton)		120	180	250
Tare (ton)		38	103	160
Loading length (m)		10,1	10,1	10
Loading width (m)		2,1/3,4	2,1/3,4	2,1/3,4
Loading limits (ton) (max. 90 km/s)	A	80	96	224
	B	87	104	224
	C	120	180	250

Ua Typed Heavy Duty Car





REPUBLIC OF TURKEY  
GENERAL DIRECTORATE OF TURKISH  
STATE RAILWAYS  
FREIGHT OFFICE HEADSHIP  
Domestic marketing Branch Directorate  
International Marketing Branch Directorate  
International Tariff Branch Directorate

0 312 309 05 15  
0 312 311 13 05  
Faks: 0 312 310 95 07  
0 312 309 05 15 /4013  
0 312 309 05 15 /4393  
0 312 309 05 15 /4373  
0 312 309 05 15 /4473

1<sup>st</sup> District Directorate

	Telephone	Fax
District Directorate	0 216 348 80 20	0 216 336 22 57
Loading service directorate	0 216 348 80 20	0 216 336 22 57
Haydarpaşa Center	0 216 348 80 20	0 216 336 22 57
Kapıkule Logistic Direc.	0 284 238 23 10	0 284 238 20 51
Edirne Logistic Direc	0 284 235 26 75	0 284 235 26 75
Çerkezköy Logistic Direc	0 282 726 57 26	
Halkalı Logistic Direc.	0 212 678 47 85	0 212 678 48 07
Haydarpaşa Logistic Direc	0 216 348 43 65	0 216 336 03 73
Derince Logistic Direc	0 262 223 58 34	0 262 223 58 34
Köseköy Logistic Direc	0 262 373 53 56	0 262 239 90 21
Arifiye Logistic Direc	0 264 229 49 29	
Bozüyük Logistic Direc	0 228 315 10 63	

2<sup>nd</sup> District Directorate

	Telephone	Fax
District Directorate	0 312 311 25 23	0 312 211 15 77
Loading service directorate	0 312 211 14 76	0 312 211 14 76
Ankara Logistic Direc.	0 312 211 12 50	0 312 211 12 50
Lalahan Logistic Direc.	0 312 865 23 28	
Elmadağ Statin Direc.	0 312 863 10 57	
Irmak Logistic Direc.	0 318 327 52 33	0 318 327 52 68
Yahşihan Logistic Direc.	0 318 357 26 35	
Kırıkkale Logistic Direc.	0 318 324 28 57	0 318 225 72 21
Yerköy Logistic Direc.	0 354 516 19 18	0 354 516 49 20
Şefaatlı Station Direc.	0 352 222 14 56	
Himmetdede Logistic Direc.Station	0 352 399 20 02	
Boğazköprü Logistic Direc.	0 352 311 31 45	0 352 311 31 45
Kayseri Logistic Direc.	0 352 232 17 46	0 352 222 45 36
Incesu Station Direc.	0 352 222 14 56	
Yeşilhisar Logistic Direc.	0 352 651 30 35	0 352 651 30 35
Niğde Logistic Direc.	0 388 232 35 42	0 388 213 09 12
Çankırı Logistic Direc.	0 376 213 11 88	0 376 213 91 60
Ülkü Logistic Direc.	0 370 412 53 84	
Karabük Logistic Direc.	0 370 424 20 53	0 370 415 21 01
Çatalağzı Logistic Direc.	0 372 264 11 12	0 372 264 33 50
Zonguldak Logistic Direc.	0 372 253 93 17	0 372 253 31 80
Sanayi Logistic Direc.	0 312 276 16 20	0 312 276 16 20
Polatlı Logistic Direc.	0 312 623 11 06	0 312 623 84 41
Beylikköprü Station Direc.	0 312 627 12 03	
Yunusemre Station Direc.	0 222 647 50 55	
Eskişehir Logistic Direc.	0 222 335 33 31	0 222 225 97 99

SAYFA 38

5<sup>th</sup> District Directorate

	Telephone	Fax
District Directorate	0 422 212 48 48	0 422 212 48 20
Loading service directorate	0 422 211 30 90	0 422 211 30 90
Malatya Logistic Direc.	0 422 212 48 23	0 422 212 48 23
Elazığ Logistic Direc.	0 424 212 89 37	0 424 212 89 37
Tatvan Logistic Direc.	0 434 827 57 03	0 434 827 57 03
Van Logistic Direc.	0 432 223 13 69	0 432 223 13 69
Diyarbakır Logistic Direc.	0 412 226 63 21	0 412 226 63 21
Batman Logistic Direc.	0 488 213 31 65	0 488 213 31 65
Muş Logistic Direc.	0 436 216 11 16	0 436 216 11 16
Kurtalan Logistic Direc.	0 484 411 47 41	0 484 411 47 41
Hekimhan Logistic Direc.	0 422 713 10 31	0 422 713 16 94
Gölbâşı Logistic Direc.	0 416 781 60 12	0 416 781 60 12
Kapıköy Logistic Direc.	0 432 793 21 15	0 432 793 21 10
Kadıköy Terminal Direc.	0 432 793 21 18	0 432 793 21 10
Yolçatı Terminal Direc.	0 424 281 31 01	
Battalgazi Station Direc.	0 422 841 31 06	
Kürk Station Direc.	0 424 411 27 94	

6<sup>th</sup> District Directorate

	Telephone	Fax
District Directorate	0 322 453 69 14	0 322 457 58 07
Loading service directorate	0 322 453 69 14 / 305	
Adana Logistic Direc.	0 322 453 31 74	0 322 453 31 74
Konya Logistic Direc.	0 332 320 59 61	0 332 320 59 61
Mersin Logistic Direc.	0 324 237 47 54	0 324 237 47 54
Yakacık Logistic Direc.	0 326 755 79 11	0 326 755 79 11
Iskenderun Logistic Direc.	0 326 612 00 76	0 326 612 00 76
Gaziantep Logistic Direc.	0 342 323 31 96	0 342 323 31 96
Başpınar Logistic Direc.	0 342 337 96 89	0 342 337 96 89
Nusaybin Logistic Direc.	0 482 415 10 65	0 482 415 10 65
Ceylanpınar Logistic Direc.	0 414 471 40 75	0 414 471 40 75
Narlı Logistic Direc.	0 344 331 23 45	0 344 331 23 45
İslahiye Logistic Direc.	0 342 862 10 79	0 342 862 10 79
Ereğli Logistic Direc.	0 332 712 14 13	
Horozluhan Terminal Direc.	0 332 345 05 70	
Mardin Station Direc.	0 482 215 13 61	0 482 215 13 61
Kmaraş Station Direc.	0 344 235 00 75	0 344 235 00 75
Erzin Logistic Direc.	0 326 691 00 07	
Taşkent Logistic Direc.	0 324 454 07 98	
Iskenderun Port Direc.	0 326 613 24 24	

7th District Directorate

	Telephone	Fax
District Directorate	0 272 213 76 21	0 272 214 19 43
Loading service directorate	0 272 214 34 91	0 272 214 34 91
Afyon Logistic Direc.	0 272 215 11 57	0 272 215 11 75
Alayunt Terminal Direc.	0 274 266 20 10	
Azot Logistic Direc.	0 274 225 05 05	
Burdur Logistic Direc.	0 248 233 19 30	
Çardak Station Direc.	0 258 851 20 40	
Dazkırı Station Direc.	0 272 421 30 20	
Değirmenözü Terminal Direc.	0 274 244 40 49	
Dinar Terminal Direc.	0 272 353 60 38	
Dursunbey Terminal Direc.	0 266 669 10 35	
Emirler Terminal Direc.	0 274 624 20 95	
Gümüşgün Logistic Direc.	0 246 556 53 62	0 246 556 53 62
Isparta Logistic Direc.	0 246 218 13 01	
Kaklık Logistic Direc.	0 258 816 20 02	0 258 816 20 02
Kütahya Logistic Direc.	0 274 224 68 69	
Nusrat Terminal Direc.	0 266 586 56 96	
Tavşanlı Logistic Direc.	0 274 614 35 96	
Tunçbilek Logistic Direc.	0 274 638 31 03	0 274 638 31 03

Railways bring welfare and prosperity.

Mustafa Kemal Atatürk

### STATISTICAL TERMS USED IN RAILWAY TRANSPORTATION

NETTON: Ton loaded in a car in the rate of its capacity

RAW TON: Tare of a car or sum of tare and net load. (TARE+NETTON)

NETTON KM: The value obtained by carrying one ton of net load in a one-kilometer distance (NETTON x CARRING DISTANCE)

RAW TON KM: Carrying one gross ton, including only sum of tare or net load, in a one-kilometer distance (RAW TON x CARRING DISTANCE)

TRAIN KM: Value obtained from a train going for one kilometer

PASSENGER KM: Service unit obtained from carrying a passenger in one kilometer distance.

TON KM: Service unit obtained from carrying one ton load in one kilometer distance.

TARIFF TON KM: Service unit obtained by multiplying distance in distance schedule with the load carried in this distance.

CAR KM: Service unit obtained by carrying a car in one kilometer distance

LOKO KM: Service unit obtained by carrying a loko in one kilometer distance

ROTATION: The period between two fillings of a car.

UTILIZATION: Making benefit of load and passenger cars at maximum level.

LINE CAPACITY: Traffic unit calculated in order to determine the maximum train number to operate mutually between two important stations or junctions.

CAR DAY KM: AVERAGE CARRYING DISTANCE / ROTATION

AVERAGE CARRYING DISTANCE: NET TON / KM / NET TON

EMPTY CARRYING RATE: RAW TON KM / NET TON KM

FULL CARRYING RATE: NET TON KM / RAW TON KM

AVE. TONNAGE PER CAR: FILLED NET TON / FILLED CAR

ROTATION CALCULATION: Load – car rotation (day)

For scheduled transportation.

The period between two fillings of one car is calculated.

$R = 1/24 \times (Ds + Bs + Dss + Bss + Tgd)$

R: Rotation period (day)

Ds: Filling period of car

Bs: Discharge period of car

Dss: Full driving period of car

Bss: Empty driving period of car

Tgd: Waiting periods of cars in facility terminals on the route.

## SOME RAILWAY TERMS

FLAT WHEEL	: WHEEL CRUSHING	CONDUCTOR	: TICKET CHECKER
BALLAST	: STONE FRACTURES	CROOK	: SADDLERY
INSERT	: BUSHING	CURVE	: TURN
BOGIE	: WHEEL GROUP	LOOP	: CIRCLE FORM ROUTE
<b>Braga</b>	: AXLE GUIDE CONNECTION PIECE	SITUATION GRAPH	: SITUATION LINE
FLANGE	: WHEEL SET	ABOLITION	: CANCELLATION
TRACTION	: PULL	ANNEX	: SUPPLEMENT
SLANT	: DIRECTION	TIMETABLE	: TRAIN TARIFF GUIDE
DERAILMENT	: GOING OUT OF THE RAILS	CAB	: MACHINIST CABIN, STATION ROOF
DISPATCHER	: IMPELLENT	FREIGHT OFFICE	: TRAFFIC OFFICE
RAIL DISTANCE	: RAIL GAP	<b>MUTABELE</b>	: IRREGULARITY IN FREIGHT
<b>Fers</b>	: UPHOLSTERY	REVERSING TRIANGLE	: TRIANGLE ROAD CONNECTION
<b>Föydömarş</b>	: STEERING SCHEDULE	ORR	: MOTION SCHEDULE
LORRY	: PERSONNEL CAR	<b>PLAKDAGARD</b>	: AXLE GUIDE
TEMPLATE	: SIZE LIMIT	RELAYING	: ROAD RENEWAL
BRAKEMAN	: PERSON IN CHARGE IN BRAKING	RUNFORCE	: SUPPORT
FREIGHT	: LOAD	REBUTTAL	: RETURN
ROUTE	: ROAD	REPARTITION	: DISTRIBUTION AND REGULATION
MAINLINE	: MAIN ROAD	REVISOR	: CAR TECHNICIAN
END	: FINISH	ROYALTY	: CAR RENTAL FEE
BUFFER STOP	: DEAD END TAMPON	BRAKE SHOE	: BRAKE SHOE
JUNCTION	: CONNECTION	BUMP	: COLLISION
JUNCTION LINE	: CONNECTION LINE	SIDING SITE	: SIDETRACK

<b>İTENER</b>	: MOTION SCHEDULE	<b>SEJÜR ÜCRETİ</b>	: ABODE FEE
<b>COLLISION</b>	: CLASH	<b>DEMURRAGE FEE</b>	: HOLDING FEE IN COMMAND OF THE CUSTOMER
<b>CATENARY</b>	: ELECTRIC TRAIN ENERGY LINE	<b>SUPERVISOR</b>	: CO-TECHNICIAN
<b>ROLLING STOCK</b>	: TRAIN SET	<b>TEK AYYUDAT</b>	: LIMITED AND CAREFULL PASSAGE
<b>TRESTLE</b>	: SUSPENSION OF THE ROUTE	<b>MEETING</b>	: MEETING
<b>KİTANS</b>	: PAYMENT MODEL IN THE TRAIN	<b>BRAKE ROD</b>	: BRAKE BAR
<b>AUXILIARY RESERVOIR</b>	: ROLLING STOCK MAIN AIR PIPE	<b>DRIVER EMERGENCY BRAKE</b>	: EMERGENCY BRAKE FOR THE USE OF THE DRIVER
		<b>TRIAGE</b>	: DISTRIBUTION

**CODES AND ABBREVIATIONS OF THE UIC MEMBER RAILWAY ADMINISTRATIONS**

<u>CODE</u>	<u>ABB.</u>	<u>RAILWAY ADMINISTRATION</u>	<u>CODE</u>	<u>ABB.</u>	<u>RAILWAY ADMINISTRATION</u>
10	VR	FINLAND	83	FS	ITALY
24	LG	LITHUANIA	84	NS	NETHERLANDS
41	HSB	ALBANIA	85	SBB	SWITZERLAND
43	GYSEV	SOPRON (HUNGARY)	86	DSB	DENMARK
44	ZRS	SERBIA	87	SNCF	FRANCE
50	ZFBH	BOSNIA-HERZEGOVINA	88	SNCB	BELGIUM
51	PKP	POLAND	94	CP	PORTUGAL
52	BDZ	BULGARIA	96	RAI	IRAN
53	CFR	ROMANIA	97	CFS	SYRIA
54	CD	CZECH REPUBLIC	99	IRR	IRAQ
55	RCH	HUNGARY	<b>CODES AND ABBREVIATIONS OF OTHER RAILWAY ADMINISTRATIONS</b>		
56	ZSSK	SLOVAKIA	20	RZD	RUSSIA
62	ZCG	MONTENEGRO	21	BC	BELARUS
63	BLS	LÖTSCHBERG (SWITZERLAND)	22	UZ	UKRAINE
64	FNME	NORTH MILANO (ITALY)	23	CFM	MOLDOVA
65	MZ	MACEDONIA	24	LG	LITHUANIA
68	AAE	AHAUS-ALSTATTA (SWITZERLAND)	25	LDZ	LATVIA
70	EWS	ENGLAND	26	EVR	ESTHONIA
71	RENFE	SPAIN	27	KZH	KAZAKHSTAN
72	ZS	SERBIA	28	GR	GEORGIA
73	TRAI NOSE	GREECE	29	UTI	UZBEKISTAN
74	GC	GREEN CARGO (SWEDEN)	57	AZ	AZERBAIJAN
75	TCDD	REPUBLIC OF TURKEY	59	KRG	KIRGIZSTAN
76	NSB	NORWAY	66	TDZ	TAJIKISTAN
78	HZ	CROATIA	67	TRK	TURKMENISTAN
79	SZ	SLOVENIA			
80	DB	GERMANY			
81	RCA	AUSTRIA			
82	CFL	LUXEMBURG			

SAYFA 42

**NOTES**





SAYFA 44

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