



# Umler<sup>®</sup> Component Registry Data Specification Manual



7001 Weston Parkway, Suite 200  
Cary, North Carolina 27513

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# Component Registry Elements

Mandatory elements contain (●) beside the element name.

BOLSTER_C007.....	1	SIDEFAME_C502.....	25
BOLSTER_C010.....	1	SIDEFAME_C503.....	25
BOLSTER_C401.....	1	SIDEFAME_C504.....	26
BOLSTER_C402.....	3	SIDEFAME_C505.....	26
BOLSTER_C403.....	4	SIDEFAME_C506.....	26
BOLSTER_C404.....	4	SIDEFAME_C507.....	26
BOLSTER_C405.....	4	SIDEFAME_C508.....	26
BOLSTER_C406.....	4	SIDEFAME_C509.....	27
BOLSTER_C407.....	4	SIDEFAME_C510.....	27
BOLSTER_C408.....	5	SIDEFAME_C511.....	27
BOLSTER_C409.....	5	SIDEFAME_C513.....	29
BOLSTER_C410.....	5	SIDEFAME_C514.....	29
BOLSTER_C411.....	5	SIDEFAME_C515.....	30
BOLSTER_C413.....	8	SIDEFAME_C516.....	30
BOLSTER_C414.....	8	SIDEFAME_C517.....	31
BOLSTER_C415.....	8	SIDEFAME_C518.....	31
BOLSTER_C416.....	9	SLAKADJUST_C007.....	32
BOLSTER_C417.....	9	SLAKADJUST_C010.....	32
COUPLER_C007.....	10	SLAKADJUST_C901.....	32
COUPLER_C010.....	10	SLAKADJUST_C902.....	32
COUPLER_C601.....	10	SLAKADJUST_C903.....	33
COUPLER_C602.....	10	SLAKADJUST_C904.....	33
COUPLER_C603.....	11	SLAKADJUST_C905.....	34
COUPLER_C604.....	11	SLAKADJUST_C906.....	34
COUPLER_C605.....	11	SLAKADJUST_C907.....	34
COUPLER_C606.....	12	SLAKADJUST_C908.....	36
COUPLER_C607.....	12	SLAKADJUST_C909.....	36
COUPLER_C608.....	12	SLAKADJUST_C910.....	36
COUPLER_C609.....	13	Wheelset_C003.....	37
COUPLER_C610.....	14	Wheelset_C004.....	39
COUPLER_C611.....	14	Wheelset_C005.....	39
COUPLER_C612.....	14	Wheelset_C006.....	39
COUPLER_C613.....	15	Wheelset_C007.....	39
COUPLER_C614.....	15	Wheelset_C008.....	40
COUPLER_C615.....	15	Wheelset_C009.....	40
EMERVALVE_C007.....	16	Wheelset_C010.....	40
EMERVALVE_C010.....	16	Wheelset_C103.....	40
EMERVALVE_C701.....	16	Wheelset_C104.....	41
EMERVALVE_C702.....	16	Wheelset_C105.....	42
EMERVALVE_C703.....	17	Wheelset_C106.....	42
EMERVALVE_C704.....	17	Wheelset_C107.....	42
EMERVALVE_C705.....	18	Wheelset_C108.....	43
EMERVALVE_C706.....	18	Wheelset_C109.....	44
EMERVALVE_C707.....	18	Wheelset_C110.....	44
SERVVALVE_C007.....	19	Wheelset_C111.....	44
SERVVALVE_C010.....	19	Wheelset_C112.....	45
SERVVALVE_C801.....	19	Wheelset_C113.....	45
SERVVALVE_C802.....	19	Wheelset_C114.....	45
SERVVALVE_C803.....	21	Wheelset_C115.....	47
SERVVALVE_C804.....	21	Wheelset_C116.....	47
SERVVALVE_C805.....	21	Wheelset_C117.....	47
SERVVALVE_C806.....	21	Wheelset_C118.....	47
SERVVALVE_C807.....	21	Wheelset_C119.....	48
SIDEFAME_C007.....	23	Wheelset_C011.....	48
SIDEFAME_C010.....	23	Wheelset_C203.....	48
SIDEFAME_C501.....	23	Wheelset_C204.....	50

Wheelset_C205.....	50	PRVALVE_D101.....	63
Wheelset_C206.....	50	PRVALVE_D102.....	63
Wheelset_C207.....	51	PRVALVE_D103.....	68
Wheelset_C208.....	51	PRVALVE_D104.....	68
Wheelset_C209.....	51	PRVALVE_D105.....	71
Wheelset_C210.....	52	PRVALVE_D106.....	72
Wheelset_C211.....	53	PRVALVE_D107.....	72
Wheelset_C212.....	53	PRVALVE_D108.....	72
Wheelset_C213.....	53	PRVALVE_D109.....	73
Wheelset_C214.....	54	PRVALVE_D110.....	73
Wheelset_C215.....	55	PRVALVE_D111.....	74
Wheelset_C216.....	55	PRVALVE_D112.....	74
Wheelset_C217.....	56	PRVALVE_D113.....	74
Wheelset_C303.....	56	PRVALVE_D114.....	75
Wheelset_C304.....	59	PRVALVE_D115.....	75
Wheelset_C305.....	59	PRVALVE_D116.....	75
Wheelset_C306.....	59	PRVALVE_D117.....	77
Wheelset_C307.....	60	CUSHUNIT_D201.....	78
Wheelset_C308.....	60	CUSHUNIT_D202.....	78
Wheelset_C309.....	60	CUSHUNIT_D203.....	78
Wheelset_C310.....	61	CUSHUNIT_D204.....	79
Wheelset_C313.....	61	CUSHUNIT_D205.....	79
Wheelset_C314.....	62	CUSHUNIT_D206.....	79
Wheelset_C315.....	62	CUSHUNIT_D207.....	79
Wheelset_C316.....	62	CUSHUNIT_D208.....	80
PRVALVE_C007.....	63	CUSHUNIT_D209.....	80
PRVALVE_C010.....	63	CUSHUNIT_D210.....	80

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**BOLSTER\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

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**BOLSTER\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

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**BOLSTER\_C401****Element Name:**

Bolster AAR Foundry Facility Code (●)

**Data Type:** Text**Data Length:** 4**Description:**

QA code assigned by AAR that uniquely identifies foundry where bolster was cast.

**Valid Values:**

Value	Description
ACCO	ALLIANCE CASTING COMPANY, Alliance OH
AMCB	Amsted Maxion Foundry & Railway Equipment (no longer in production)
AMFB	Amsted Maxion Fundicao E Equipamentos Ferroviarios S/A, Cruzeiro, Brazil
AMOB	Amsted Maxion Funicao E Equipamentos Ferroviarios, SA (no longer in production)
ASFA	ASF Keystone - Alliance (no longer in production)
ASFG	AMSTED RAIL COMPANY, Granite City, IL
ASFM	ASF-K de MEXICO, S.de R.L. de C.V., Sahagun, Hildago
ASFZ	ZHUZHOU ABC RAIL PRODUCTS CO. Zhuzhou, Hunan
BS	Buckeye Steel Casting (no longer in production)
CHOT	STRATO-TONGYAO CASTING& FORGINGS CO., LTD. Chongqing CHINA

Value	Description
CKDC	SCB FOUNDRY, A.S., Slevarna Ceske , Budejovice
CRQR	STRATO – CRRC QIQIHAR ROLLING STOCK CO. LTD.
CSCO	COLUMBUS CASTINGS, Columbus, OH
DOM	ABC NACO Dominion (no longer in production)
HDC	Standard Car Truck Company Calcutta, India (no longer in production)
JRTC	JINXI RAILWAY ROLLING STOCK CO., Taiyuan, Shanxi
KCSM	Kansas City Southern de Mexico
KSKU	ASF-Keystone (Kremenchug Ukraine) (no longer in production)
LICI	Liaoning Shenche Casting Industry Co Ltd, Haicheng City, Liaoning Province
NCC	ABC NACO Cicero (no longer in production)
NCMP	ABC NACO Melrose Park (no longer in production)
PLLS	PROCTOR LIMITED - GUERNSEY, SASKATCHEWAN
PPCR	ASF-Keystone (Promlit Russia) (no longer in production)
PTBA	Barata Indonesia PT, Gresik Indonesia
QLR	CSR QISHUYAN LOCOMOTIVE CO., Qishuyan, Changzhou
RMRU	Rocky Mountain Railcar, Tooele, UT
RSRM	ROTHBURY STEEL, Rothbury, MI
SCLI	STEELCAST LIMITED, Bhavnagar, Gujarat
TFSP	TIKHVIN SANKT-PETERSBURG
TRZC	TIANRUI GROUP FOUNDRY CO., Ruzhou City, Henan
TXID	TEXMACO LTD- STEEL FOUNDRY DIVISION, Belgharia, W. Bengal
SMI	SUMITOMO (No Longer in Production)
SN	ABC NACO Sahagun (no longer in production)
SCAW	SCAW (No Longer in Production)
VFSM	VSF Industrias SA de CV
9ABC	ABC-NACO Sharon (No Longer in Production)
9ASA	ASF-Keystone, Bradken, Australia (No Longer in Production)
9ASC	ASF-Keystone-Chicago Castings Company (No Longer in Production)
9ASI	ASF-Indiana Harbor (No Longer in Production)
9ASE	ASF-Keystone, East St. Louis (No Longer in Production)
9BE	Bucyrus Erie (No Longer in Production)
9BIR	Birdsboro Corp (No Longer in Production)
9BKK	Bradford Kendall, Kilburn (No Longer in Production)
9BKR	Bradford Kendall Runcorn, Bradken (No Longer in Production)
9BSC	British Steel Corp (No Longer in Production)
9CA	Construcciones y Auxiliar (No Longer in Production)
9CB	Cobrasma (No Longer in Production)
9CMS	Comsteel (No Longer in Production)
9CMT	Cometna (No Longer in Production)
9CSF	Canadian Steel Foundries (No Longer in Production)

Value	Description
9DOF	Dofasco Inc (No Longer in Production)
9DRS	Dresser Transporations-Symington Wayne/Gould (No Longer in Production)
9FNV	Fabrica Nacional de Vagoes (No Longer in Production)
9HDC	Standard Car Truck Company , Hindusthan Engineering & Industries (No Longer in Production)
9HNR	Henricot (No Longer in Production)
9KSF	ASF-Keystone, Kremenchug, Ukraine (No Longer in Production)
9NCI	National Castings Inc, Cicero IL (No Longer in Production)
9NIP	Nippon Sharyo (No Longer in Production)
9OSC	Omaha Steel Castings Co. (No Longer in Production)
9OSF	Ohio Steel Foundry Co. (No Longer in Production)
9PIT	Pittron-Pittsburgh Steel (No Longer in Production)
9PPR	ASF-Keystone, Promlit, Russia (No Longer in Production)
9QIQ	QIQIHAR RAILWAY ROLLING STOCK WORKS Qiqihar, Heilongjiang
9SAR	South African Railways (No Longer in Production)
9SBI	Standard Brass, Iron, and Steel Ltd. Benoni, South Africa (No Longer in Production)
9SCU	Scullin (No Longer in Production)
9SEM	Sambre et Muse, France (No Longer in Production)
9SN	Sidena (No Longer in Production)
9VUL	Vulcan (No Longer in Production)

**Validation Rules:**

- Facility code is required for new bolsters.

**BOLSTER\_C402****Element Name:**

Bolster Cast Month (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

2-digit month cast on bolster.

**Validation Rules:**

- Bolster cast month must be between 1 and 12.

**BOLSTER\_C403****Element Name:**

AAR Design Feature Code (●)

**Data Type:** Text**Data Length:** 12 (includes 3 dashes)**Description:**9-digit design code cast into the bolster.

---

**BOLSTER\_C404****Element Name:**

Bolster AAR ID Code (●)

**Data Type:** Text**Data Length:** 8**Description:**AAR bolster ID number that is cast into the bolster.

---

**BOLSTER\_C405****Element Name:**

MFG Pattern Number (●)

**Data Type:** Text**Data Length:** 12**Description:**Manufacturer pattern number that is cast into the bolster.

---

**BOLSTER\_C406****Element Name:**

MFG Drawing Number

**Data Type:** Text**Data Length:** 16**Description:**

Manufacturer drawing number that is cast into the bolster.

**Validation Rules:**

- Manufacturers drawing number is required for new bolsters.
- 

**BOLSTER\_C407****Element Name:**MFG Drawing Number Revision

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**Data Type:** Text

**Data Length:** 3

**Description:**  
Manufacturer drawing number revision cast into bolster.

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### **BOLSTER\_C408**

**Element Name:**  
Bolster Serial Number (●)

**Data Type:** Text

**Data Length:** 10

**Description:**  
Manufacturers serial number cast into bolster.

---

### **BOLSTER\_C409**

**Element Name:**  
Bolster MFG Heat Number

**Data Type:** Text

**Data Length:** 10

**Description:**  
Manufacturers heat number assigned to bolster when it was cast. Newly manufactured bolsters only.

**Validation Rules:**

- Manufacturers heat number is required for new bolsters.

---

### **BOLSTER\_C410**

**Element Name:**  
Bolster MFG Heat Treat Load Number

**Data Type:** Text

**Data Length:** 12

**Description:**  
Manufacturers heat treat load number assigned to Bolster when it was heat treated. Newly manufactured bolsters only.

**Validation Rules:**

- Manufacturers heat treat load number is required for new bolsters.

---

### **BOLSTER\_C411**

**Element Name:**  
Bolster Reconditioner AAR Facility Code

**Data Type:** Text

**Data Length:** 4



**Description:**

QA code assigned by AAR that uniquely identifies location where bolster was reconditioned.

**Valid Values:**

Value	Description
AEPA	AEP, Alliance, NE
AMIS	AMERICAN INDUSTRIES, Sharon, PA
APS	ALTOONA RAILCAR REPAIR, Altoona, PA
ARC	ARIZONA RAIL CAR, INC., Tucson, AZ
ATSC	ALSTOM TRANSPORT SERVICE CALGARY, Calgary, AB
BNN	BNSF RAILWAY, Lincoln, NE
BRS	BRC RAIL CAR SERVICE CO., Lynchburg, VA
CGMQ	GATX RAIL CANADA CORPORATION, Montreal, QC
CGRD	GATX RAIL CANADA CORPORATION, Red Deer, Alberta
CNW	CN TRANSCONA MAIN SHOPS, Winnipeg, MB
COMM	COMET RAIL PRODUCTS, INC., Kansas City, MO
CTI	CALTRAX CORPORATION, Calgary, Alberta
DLG	DLG INDUSTRIAS, S.A. DE C.V., Pesqueria, Nuevo Leon
DRE	DONOHUE RAILROAD EQUIPMENT CO., Darlington, PA
EFDN	EQUIPOS FERROVIARIOS DEL NORTE S.A. de C.V., Gomez Palacio, Durango
EFDS	EQUIPOS FERROVIARIOS DEL SURESTE, S.A. de C.V., LaGranja, Veracruz
ELS	ESCANABA & LAKE SUPERIOR RAILROAD, Escanaba, MI
ERSN	EBENEZER RAILCAR SERVICES, West Seneca, NY
FCRB	FREIGHTCAR RAIL SERVICES, Chesterton, IN
FCRC	FREIGHTCAR RAIL SERVICES, Clinton, IN
FCRG	FREIGHTCAR RAIL SERVICES, Grand Island, NE
FCRH	FREIGHTCAR RAIL SERVICES, Hastings, NE
FCRW	FREIGHTCAR RAIL SERVICES, Wheatfield, IN
FRCO	WATCO MECHANICAL SERVICES, Omaha, NE
GCP	GREENBRIER CASTINGS - PEORIA, IL
GELS	GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.
GERS	GE RAILCAR REPAIR SERVICE COMPANY, Regina, Saskatchewan
GESP	GE RAILCAR REPAIR, Sayre, PA
GRAK	GREENBRIER RAIL SERVICES - ATCHISON, KS
GRSC	GREENBRIER RAIL SERVICES - Chehalis, WA
GRSD	GREENBRIER RAIL SERVICES - DOTHAN, AL
GRSF	GREENBRIER RAIL SERVICES - FINLEY, WA
GRSH	GREENBRIER RAIL SERVICES - HODGE, LA
GRSO	GREENBRIER RAIL SERVICES - Omaha, NE
GRST	GREENBRIER RAIL SERVICES - Tucson, AZ
GRTK	GREENBRIER RAIL SERVICES - Topeka, KS
GSW	GREENBRIER RAIL SERVICES - CLEBURNE, TX
GUN	GUNDERSON, Portland, OR
GUNS	GREENBRIER RAIL SERVICES - Springfield, OR
HCFC	HERZOG RAILROAD SERVICES, Falls City, NE
HCSJ	HERZOG RAILROAD SERVICES, St. Joseph, MO
ICDI	ILLINI CASTINGS, Danville, IL
KCSM	KANSAS CITY SOUTHERN DE MEXICO
KRRM	KIMBALL RAILCAR SERVICES, Kimball, MN
LCDM	LINEA COAHUILA DURANGO S.A. DE C.V.
LRS	LIBERTY RAILWAY SERVICES, Pueblo West, CO
LSLP	LOCOMOTORAS SAN LUIS, S.A. DE C.V.
MEI	METRO EAST INDUSTRIES, Fairview Heights, IL
MMA	MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME
MMRS	MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V.
MRC	WATCO MECHANICAL SERVICES, Council Bluffs, IA
MRJ	WATCO MECHANICAL SERVICES, Junction City, KS
MRN	WATCO MECHANICAL SERVICES, Neodesha, KS
MRS	WATCO MECHANICAL SERVICES, Scottsville, TX
MRT	WATCO MECHANICAL SERVICES, Hockley, TX

Value	Description
MRW	WATCO MECHANICAL SERVICES, Wood River, IL
MRZ	WATCO MECHANICAL SERVICES, Zwolle, LA
MWR	MIDWEST RAILCAR REPAIR, Brandon, SD
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON
OVR	OHIO VALLEY RAILCAR CORPORATION, Wheatland, PA
PRAN	PROGRESS RAIL SERVICES, Alliance, NE
PRAT	PROGRESS RAIL SERVICES (Formerly Amarillo Railcar), Amarillo, TX
PRBA	PROGRESS RAIL SERVICES, Boaz, AL
PRCK	PROGRESS RAIL SERVICES, Corbin, KY
PRDK	PROGRESS RAIL SERVICES, Covington, KY
PRE	PROCOR LIMITED, Edmonton, Alberta
PRJA	PROCOR, LIMITED, Joffre, Alberta
PRNN	PROGRESS RAIL SERVICES, Northport, NE
PRPW	PROGRESS RAIL SERVICES, Portage, WI
PRR	PROCOR LIMITED, Regina, SK
PRRW	PROGRESS RAIL SERVICES, Rock Springs, WY
PRS	PROCOR LIMITED, Sarnia, Ontario
PRSN	PROGRESS RAIL SERVICE, Sidney, NE
PRTX	PROGRESS RAIL SERVICES, Waskom, TX
PRWB	PROGRESS RAIL SERVICES, Bill, WY
PRWW	PROGRESS RAIL TRANSCANADA CORP., Winnipeg, Manitoba
RI	RAILWAY & INDUSTRIAL SERVICES, Joliet, IL
RJRM	AMERICAN INDUSTRIES - MIDWEST, Independence, MO
SFPE	PROGRESS RAIL SERVICES DE MEXICO S.A. DE C.V.
SRCO	SEABOARD RAILCAR REPAIR AND CLEANING, Hugo, OK
SRSV	SAFETY RAILWAY SERVICE, Victoria, TX
SRSX	SOUTHEASTERN RAILWAY SERVICES, Magnolia, MS
STR	SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME
TERG	TALLERES DE EQUIPO RODANTE DEL BAJIO, S.A.
TETX	TEXANA TANK CAR & MFG., Nash, TX
TIVT	TRINITY RAILCAR REPAIR, INC., Vidor, TX
TRAL	TRANSCO RAILWAY PRODUCTS, Logansport, IN
TRAM	TRANSCO RAILWAY PRODUCTS, Miles City, MT
TRAO	TRANSCO RAILWAY PRODUCTS, Oelwein, IA
TTCD	TTX COMPANY, WESTERN REPAIR AND RECONDITIONING CENTER, Mira Loma, CA
TTHD	TTX COMPANY-HAMBURG DIVISION, North Augusta, SC
UTCW	UNION TANK CAR COMPANY, Evanston, WY
VSFM	VSF INDUSTRIES S.A. DE C.V.
WAT	WATCO MECHANICAL SERVICES, Coffeyville, KS
WATH	WATCO MECHANICAL SERVICES, Houston, TX
WATJ	WATCO MECHANICAL SERVICES, Jacksonville, FL
WATP	WATCO MECHANICAL SERVICES, Pittsburg, KS

**Validation Rules:**

- Reconditioned facility is required for reconditioned bolsters.

---

**BOLSTER\_C413****Element Name:**

Bolster Classification Date

**Data Type:** Date**Data Length:** 10**Description:**

Date bolster was classified. In MM-DD-CCYY format.

**Validation Rules:**

- Bolster reconditioned date can't be after today.
- Reconditioned date is required for reconditioned bolsters.

---

**BOLSTER\_C414****Element Name:**

Bolster Condition Code (●)

**Data Type:** Text**Data Length:** 1**Description:**

Bolster condition code - new, secondhand, or reconditioned.

**Valid Values:**

Value	Description
1	New
2	Secondhand
3	Reconditioned

---

**BOLSTER\_C415****Element Name:**

Pocket Wear Plate Installed

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a pocket wear plate was installed.

**Valid Values:**

Value	Description
Y	Yes
N	No

**BOLSTER\_C416****Element Name:**

Converted Bolster

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a bolster was converted to another 9-digit code by reconditioner.

**Valid Values:**

Value	Description
Y	Yes
N	No

**BOLSTER\_C417****Element Name:**

Bolster Cast Year (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Year cast on bolster. In YY format.

---

**COUPLER\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

---

**COUPLER\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

---

**COUPLER\_C601****Element Name:**

Coupler Condition Code (●)

**Data Type:** Text**Data Length:** 1**Description:**

Coupler Condition Code - New, Secondhand, Reconditioned.

**Valid Values:**

Value	Description
1	New
2	Secondhand
3	Reconditioned

---

**COUPLER\_C602****Element Name:**

Coupler AAR Code Number

**Data Type:** Text**Data Length:** 14**Description:**

Coupler Code Number, not cast into coupler.

**Validation Rules:**

- AAR Code Number is required for New Couplers.

---

**COUPLER\_C603****Element Name:**

Coupler Catalog Number (●)

**Data Type:** Text**Data Length:** 12**Description:**

Coupler Catalog number is cast into the Coupler. It is Mandatory to report the Catalog number.

---

**COUPLER\_C604****Element Name:**

Coupler Cast Month (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Month Cast into Coupler.

**Validation Rules:**

- Coupler Cast Month must be between 1 and 12.

---

**COUPLER\_C605****Element Name:**

Coupler Cast Year (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Year Cast into Coupler.

---

**COUPLER\_C606****Element Name:**

Coupler Serial Number (●)

**Data Type:** Text**Data Length:** 8**Description:**

Coupler Serial number cast or stamped on coupler.

**Validation Rules:**

- Manufacturers drawing number is required for new bolsters.

---

**COUPLER\_C607****Element Name:**

Coupler Cavity Number (●)

**Data Type:** Text**Data Length:** 2**Description:**

Indicates the Cavity in the Casting mold.

---

**COUPLER\_C608****Element Name:**

Coupler Conditional Approval

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a coupler is conditionally approved

**Valid Values:**

Value	Description
Y	Yes
N	No

**Validation Rules:**

- Conditional Approval Flag is required for New Couplers.

**COUPLER\_C609****Element Name:**

Coupler AAR Facility Code (●)

**Data Type:** Text**Data Length:** 4**Description:**

QA Code assigned by AAR that uniquely identifies foundry where coupler was cast.

**Valid Values:**

Value	Description
ACCO	ALLIANCE CASTING COMPANY, Alliance OH (no longer in production)
ASFA	ASF Keystone - Alliance (no longer in production)
ASFG	AMSTED RAIL COMPANY, Granite City, IL
ASFM	ASF-K de MEXICO, S.de R.L. de C.V., Sahagun, Hildago
BDPM	Blue Diamond Steel Casting, LLC, Pigeon, MI
BS	Buckeye Steel Casting (no longer in production)
CHOT	STRATO-TONGYAO CASTING& FORGINGS CO., LTD. Chongqing CHINA
CRMJ	STRATO-CRRC MUDANJIANG JINYUAN CASTINGS CO LTD
CSF	Canadian Steel Foundry (no longer in production)
CSCO	COLUMBUS CASTINGS, Columbus, OH
DOM	ABC NACO Dominion (no longer in production)
FAT	Fundiodora De Aceros Tepeyac (no longer in production)
FHA	Fundiciones DeHierro Y Aceros.(no longer in production)
MCT	MCCONWAY & TORLEY LLC, Kutztown, PA
MCTP	MCCONWAY & TORLEY LLC, Pittsburgh, PA
NCC	ABC NACO Cicero (no longer in production)
NCMP	ABC NACO Melrose Park (no longer in production)
NIGC	WORKHORSE RAIL- Qingdao Sansheshan Precision Casting, Baotou, China
QUCH	Qingdao Lianshan Casting Co.,Ltd
SSBI	SIVYER STEEL CORPORATION, Bettendorf, IA
SN	ABC NACO Sahagun (no longer in production)
WCNG	WORKHORSE RAIL, LLC - CNGC INNER MONGOLIA FIRST MACHINERY GROUP
WHRS	WORKHORSE RAIL, LLC - Shengyu Machinery Manufacturing Co., Ltd.
9ABC	ABC-NACO Sharon (No Longer in Production)
9ASI	ASF-Indiana Harbor (No Longer in Production)
9CSF	Canadian Steel Foundries (No Longer in Production)
9DOF	Dofasco Inc (No Longer in Production)
9DRS	Dresser Transporations-Symington Wayne/Gould (No Longer in Production)
9OSC	Omaha Steel Castings Co. (No Longer in Production)
9SN	Sidena (No Longer in Production)

**Validation Rules:**

- Facility Code is required for New Couplers.



---

**COUPLER\_C610****Element Name:**

Coupler Heat Number

**Data Type:** Text**Data Length:** 10**Description:**

Heat Number assigned to Coupler when it was Cast.

**Validation Rules:**

- Heat Number is required for New Couplers.

---

**COUPLER\_C611****Element Name:**

Coupler Heat Treat Load Number

**Data Type:** Text**Data Length:** 12**Description:**

Heat Treat Load Number assigned when coupler was heat treated. Heat Treat Load Number assigned when coupler was heat treated..

**Validation Rules:**

- Reconditioner Heat Treat Load Number is required for Reconditioned Couplers.

---

**COUPLER\_C612****Element Name:**

Coupler Reconditioner AAR Facility Code

**Data Type:** Text**Data Length:** 4**Description:**

QA Code assigned by AAR that uniquely identifies where coupler was reconditioned.

**Valid Values:**

Value	Description
AMIS	AMERICAN INDUSTRIES, Sharon, PA
CCRW	CENTRAL COUPLER RECLAIM, INC., Winnipeg, MB
DRE	DONOHUE RAILROAD EQUIPMENT CO., Darlington, PA
GCP	GREENBRIER CASTINGS, Peoria, IL
ICDI	ILLINI CASTINGS, Danville, IL
MRCI	AMERICAN INDUSTRIES MIDLAND DIVISION, Jerseyville, IL
MSRI	MECHANICAL SYSTEMS REMANUFACTURING, INC., Mississauga, ON
PRBA	PROGRESS RAIL SERVICES, Boaz, AL
PRWW	PROGRESS RAIL TRANSCANADA CORP., Winnipeg, Manitoba

**Validation Rules:**

- Reconditioned Facility is required for Reconditioned Couplers.

---

**COUPLER\_C613****Element Name:**

Coupler Classification Date

**Data Type:** Date**Data Length:** 10**Description:**

Date Coupler was Classified. In MM-DD-CCYY format.

**Validation Rules:**

- Coupler Recondition Date can't be after Today.
- Reconditioned Date is required for Reconditioned Couplers.

---

**COUPLER\_C614****Element Name:**

Reconditioned Heat Treat Load Number

**Data Type:** Text**Data Length:** 12**Description:**

Coupler Reconditioners Heat Treat Load Number.

**Validation Rules:**

- Reconditioner Heat Treat Load Number is required for Reconditioned Couplers

---

**COUPLER\_C615****Element Name:**

Reconditioners Tag

**Data Type:** Text**Data Length:** 2**Description:**

Reconditioners Tag.

**Valid Values:**

Value	Description
RG	Restored and Gauged
CE	Grade C converted to Grade E

---

**EMERVALVE\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

---

**EMERVALVE\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

---

**EMERVALVE\_C701****Element Name:**

Condition Code (●)

**Data Type:** Text**Data Length:** 1**Description:**

New, Reconditioned, or Upgraded Valve Portion Emergency Brake Valve Component.

**Valid Values:**

Value	Description
1	New
3	Reconditioned
U	Upgraded Valve Portion

---

**EMERVALVE\_C702****Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of an Emergency Brake Valve.

**Valid Values:**

Value	Description
BNND	BNSF Locomotive Airbrake Shop, Lincoln, NE USA
CNW	CN TRANSCONA MAIN SHOPS, Winnipeg, MB Canada
EN	ELLCON NATIONAL, Greenville, SC U.S.A.
GMW	GRAHAM-WHITE MANUFACTURING COMPANY, Salem, VA USA
GMWS	GRAHAM-WHITE MANUFACTURING COMPANY, Shreveport, LA
GMWW	GRAHAM-WHITE WEST, Carson City, NV
LAB	LIONEL A.B. INC., Longueuil, QC Canada
LI	LONG ISLAND RAILROAD, Hollis, NY USA
MMRS	MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V., Tlalnepantla, Edo. de Mexico Mexico
MSS	MULTI SERVICE SUPPLY DIVISION, Leetsdale, PA USA
NYCT	NEW YORK CITY TRANSIT AUTHORITY, Brooklyn, NY USA
NYKC	NEW YORK AIR BRAKE, Riverside, MO USA
NYNY	NEW YORK AIR BRAKE CO., Watertown, NY USA
NYON	NEW YORK AIR BRAKE CO., Kingston, ON Canada
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON Canada
PAB	PITTSBURGH AIR BRAKE CO., Carnegie, PA USA
PYSC	PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V., San Luis Potosi, SLP Mexico
RRIV	RED RIVER AIR BRAKE, Winnipeg, MB Canada
SFM	SERVICIOS FERROVIARIOS DE NORTE AMERICA, Monterrey, Mexico
STR	SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME USA
WABM	WABTEC DE MEXICO, San Luis Potosi, SLP Mexico
WACA	WABTEC GLOBAL SERVICE CENTERS, Carson City, NV USA
WAHO	WABCO FREIGHT CAR PRODUCTS, Hamilton, ON Canada
WAIL	WABTEC SERVICE CENTERS, Chicago, IL USA
WAKS	WABTEC GLOBAL SERVICE CENTERS, Kansas City, MO USA
WAPQ	WABTEC GLOBAL SERVICE CENTERS, WABTEC, CORP., Lachine, PQ Canada
WASC	WABTEC GLOBAL SERVICE CENTERS, Columbia, SC USA
WAWP	WABCO LOCOMOTIVE PRODUCTS, Wilmerding, PA USA

**EMERVALVE\_C703****Element Name:**

Date Valve Tested (●)

**Data Type:** Date

**Data Length:** 10

**Description:**

The date the emergency brake valve was tested after manufacturing or reconditioning.

**EMERVALVE\_C704****Element Name:**

Serial Number

**Data Type:** Text

**Data Length:** 15

**Description:**  
Brake Valve Emergency MFG Serial Number.

---

### EMERVALVE\_C705

**Element Name:**

Part Number (●)

**Data Type:** Text

**Data Length:** 12

**Description:**  
Brake Valve Emergency MFG Part Number.

---

### EMERVALVE\_C706

**Element Name:**

MFG Configuration Code

**Data Type:** Text

**Data Length:** 6

**Description:**  
Identifies configuration control of the emergency brake valve specific to the manufacturer.

---

### EMERVALVE\_C707

**Element Name:**

Valve Type (●)

**Data Type:** Text

**Data Length:** 10

**Description:**  
Brake Valve Emergency Valve Type.

**Valid Values:**

Value	Description
ABD	ABD-Emergency
ABDS	ABDS-Emergency
ABDW	ABDW-Emergency
ABDWS	ABDWS-Emergency
ABDW-2	ABDW-2-Emergency
ABDX	ABDX-Emergency
ABDXR	ABDXR-Emergency
DB-20	DB-20-Emergency
ABDX-L	ABDX-L-Emergency
ABDXR-L	ABDXR-L-Emergency
DB-20-L	DB-20-L-Emergency

---

**SERVVALVE\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

---

**SERVVALVE\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

---

**SERVVALVE\_C801****Element Name:**

Condition Code (●)

**Data Type:** Text**Data Length:** 1**Description:**

New, Reconditioned or Upgraded Valve Portion Service Brake Valve Component.

**Valid Values:**

Value	Description
1	New
3	Reconditioned
U	Upgraded Valve Portion

---

**SERVVALVE\_C802****Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of a Service Brake Valve.

**Valid Values:**

Value	Description
BNND	BNSF Locomotive Airbrake Shop, Lincoln, NE USA
CNW	CN TRANSCONA MAIN SHOPS, Winnipeg,MB Canada
EN	ELLCON NATIONAL, Greenville, SC U.S.A.
GMW	GRAHAM-WHITE MANUFACTURING COMPANY, Salem,VA USA
GMWS	GRAHAM-WHITE MANUFACTURING COMPANY, Shreveport,LA
GMWW	GRAHAM-WHITE WEST, Carson City,NV
GTI	GRIFFIN TECHNOLOGY, INC., Alexandria, AL
LAB	LIONEL A.B. INC., Longueuil,QC Canada
LI	LONG ISLAND RAILROAD, Hollis,NY USA
MMRS	MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V., Tlalnepantla,Edo.de Mexico Mexico
MSS	MULTI SERVICE SUPPLY DIVISION, Leetsdale,PA USA
NYCT	NEW YORK CITY TRANSIT AUTHORITY, Brooklyn, NY USA
NYKC	NEW YORK AIR BRAKE, Riverside,MO USA
NYNY	NEW YORK AIR BRAKE CO., Watertown, NY USA
NYON	NEW YORK AIR BRAKE CO., Kingston,ON Canada
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay,ON Canada
PAB	PITTSBURGH AIR BRAKE CO., Carnegie,PA USA
PREM	PREMTEC INC, Salisbury, NC
PYSC	PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V., San Luis Potosi,SLP Mexico
RGQC	RAILGD INC, NEW RICHMOND QC
RRIV	RED RIVER AIR BRAKE, Winnipeg,MB Canada
SFM	SERVICIOS FERROVIARIOS DE NORTE AMERICA , Monterrey, Mexico
STR	SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville,ME USA
WABM	WABTEC DE MEXICO, San Luis Potosi,SLP Mexico
WACA	WABTEC GLOBAL SERVICE CENTERS, Carson City, NV USA
WAHO	WABCO FREIGHT CAR PRODUCTS, Hamilton,ON Canada
WAIL	WABTEC SERVICE CENTERS, Chicago, IL USA
WAKS	WABTEC GLOBAL SERVICE CENTERS, Kansas City,MO USA
WAPQ	WABTEC GLOBAL SERVICE CENTERS, WABTEC, CORP., Lachine,PQ Canada
WASC	WABTEC GLOBAL SERVICE CENTERS, Columbia,SC USA
WAWP	WABCO LOCOMOTIVE PRODUCTS, Wilmerding,PA USA

**SERVVALVE\_C803****Element Name:**

Date Valve Tested (●)

**Data Type:** Date**Data Length:** 10**Description:**The date the service brake valve was tested after manufacturing or reconditioning.

---

**SERVVALVE\_C804****Element Name:**

Serial Number

**Data Type:** Text**Data Length:** 15**Description:**Brake Valve Service MFG Serial Number.

---

**SERVVALVE\_C805****Element Name:**

Part Number (●)

**Data Type:** Text**Data Length:** 12**Description:**Brake Valve Service MFG Part Number.

---

**SERVVALVE\_C806****Element Name:**

MFG Configuration Code

**Data Type:** Text**Data Length:** 6**Description:**Identifies configuration control of the service brake valve specific to the manufacturer.

---

**SERVVALVE\_C807****Element Name:**

Valve Type (●)

**Data Type:** Text**Data Length:** 10



**Description:**

Brake Valve Service Valve Type

**Valid Values:**

<b>Value</b>	<b>Description</b>
ABD	ABD-Service
ABDT	ABDT-Service
ABDX	ABDX-Service
ABDXR	ABDXR-Service
DB-10	DB-10-Service
DB-10C	DB-10C-Service

---

**SIDEFAME\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

---

**SIDEFAME\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

---

**SIDEFAME\_C501****Element Name:**

Side Frame AAR Foundry Facility Code (●)

**Data Type:** Text**Data Length:** 4**Description:**

QA code assigned by AAR that uniquely identifies foundry where side frame was cast.

**Valid Values:**

Value	Description
ACCO	ALLIANCE CASTING COMPANY, Alliance OH
AMCB	Amsted Maxion Foindustry & Railway Equipment (no longer in production)
AMOB	Amsted Maxion Funicao E Equipamentos Ferroviarios, SA (no longer in production)
ASFA	ASF Keystone - Alliance (no longer in production)
ASFG	AMSTED RAIL COMPANY, Granite City, IL
ASFM	ASF-K de MEXICO, S.de R.L. de C.V., Sahagun, Hildago
ASFZ	ZHUZHOU ABC RAIL PRODUCTS CO. Zhuzhou, Hunan
BS	Buckeye Steel Casting (no longer in production)
CHOT	STRATO-TONGYAO CASTING& FORGINGS CO., LTD. Chongqing CHINA
CKDC	SCB FOUNDRY, A.S., Slevarna Ceske , Budejovice

Value	Description
CRQR	STRATO – CRRC QIQIHAR ROLLING STOCK CO. LTD.
CSCO	COLUMBUS CASTINGS, Columbus, OH
DOM	ABC NACO Dominion (no longer in production)
HDC	Standard Car Truck Company Calcutta, India (no longer in production)
JRTC	JINXI RAILWAY ROLLING STOCK CO., Taiyuan, Shanxi
KCSM	Kansas City Southern de Mexico
KSKU	ASF-Keystone (Kremenchug Ukraine) (no longer in production)
LICI	Liaoning Shenche Casting Industry Co Ltd, Haicheng City, Liaoning Province
NCC	ABC NACO Cicero (no longer in production)
NCMP	ABC NACO Melrose Park (no longer in production)
PLLS	PROCTOR LIMITED - GUERNSEY, SASKATCHEWAN
PPCR	ASF-Keystone (Promlit Russia) (no longer in production)
PTBA	Barata Indonesia PT, Gresik Indonesia
QLR	CSR QISHUYAN LOCOMOTIVE CO., Qishuyan, Changzhou
RMRU	Rocky Mountain Railcar, Tooele, UT
RSRM	ROTHBURY STEEL, Rothbury, MI
SCLI	STEELCAST LIMITED, Bhavnagar, Gujarat
SSBI	SIVYER STEEL CORPORATION, Bettendorf, IA
TFSP	TIKHAVIN SANKT-PETERSBURG
TRZC	TIANRUI GROUP FOUNDRY CO., Ruzhou City, Henan
TXID	TEXMACO LTD- STEEL FOUNDRY DIVISION, Belgharia, W. Bengal
SMI	SUMITOMO (No Longer in Production)
SN	ABC NACO Sahagun (no longer in production)
SCAW	SCAW (No Longer in Production)
VSFM	VSF Industrias SA de CV
9ABC	ABC-NACO Sharon (No Longer in Production)
9ASA	ASF-Keystone, Bradken, Australia (No Longer in Production)
9ASC	ASF-Keystone-Chicago Castings Company (No Longer in Production)
9ASI	ASF-Indiana Harbor (No Longer in Production)
9ASE	ASF-Keystone, East St. Louis (No Longer in Production)
9BE	Bucyrus Erie (No Longer in Production)
9BIR	Birdsboro Corp (No Longer in Production)
9BKK	Bradford Kendall, Kilburn (No Longer in Production)
9BKR	Bradford Kendall Runcorn, Bradken (No Longer in Production)
9BSC	British Steel Corp (No Longer in Production)
9CA	Construcciones y Auxiliar (No Longer in Production)
9CB	Cobrasma (No Longer in Production)
9CMS	Comsteel (No Longer in Production)
9CMT	Cometna (No Longer in Production)
9CSF	Canadian Steel Foundries (No Longer in Production)
9DOF	Dofasco Inc (No Longer in Production)
9DRS	Dresser Transporations-Symington Wayne/Gould (No Longer in Production)

Value	Description
9FNV	Fabrica Nacional de Vagoes (No Longer in Production)
9HDC	Standard Car Truck Company , Hindusthan Engineering & Industries (No Longer in Production)
9HNR	Henricot (No Longer in Production)
9KSF	ASF-Keystone, Kremenchug, Ukraine (No Longer in Production)
9NIP	Nippon Sharyo (No Longer in Production)
9OSC	Omaha Steel Castings Co. (No Longer in Production)
9OSF	Ohio Steel Foundry Co. (No Longer in Production)
9PIT	Pittron-Pittsburgh Steel (No Longer in Production)
9PPR	ASF-Keystone, Promlit, Russia (No Longer in Production)
9QIQ	QIQIHAR RAILWAY ROLLING STOCK WORKS Qiqihar, Heilongjiang
9SAR	South African Railways (No Longer in Production)
9SBI	Standard Brass, Iron, and Steel Ltd. Benoni, South Africa (No Longer in Production)
9SCU	Scullin (No Longer in Production)
9SEM	Sambre et Muse, France (No Longer in Production)
9SN	Sidena (No Longer in Production)
9VUL	Vulcan (No Longer in Production)

**Validation Rules:**

- Facility code is required for new side frames.

**SIDEFAME\_C502****Element Name:**

Side Frame Cast Month (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Month cast on side frame. In MM format.

**Validation Rules:**

- Side frame cast month must be between 1 and 12.

**SIDEFAME\_C503****Element Name:**

AAR Design Feature Code (●)

**Data Type:** Text**Data Length:** 12**Description:**

9-digit design code cast into the side frame.

**SIDEFAME\_C504****Element Name:**

Side Frame AAR ID Code (●)

**Data Type:** Text**Data Length:** 8**Description:**AAR bolster ID number that is cast into the side frame.

---

**SIDEFAME\_C505****Element Name:**

MFG Pattern Number (●)

**Data Type:** Text**Data Length:** 12**Description:**QA manufacturer pattern number that is cast into the side frame.

---

**SIDEFAME\_C506****Element Name:**

MFG Drawing Number

**Data Type:** Text**Data Length:** 16**Description:**

Manufacturer drawing number that is cast into the side frame.

**Validation Rules:**

- Manufacturers drawing number is required for new side frames.
- 

**SIDEFAME\_C507****Element Name:**

MFG Drawing Number Revision

**Data Type:** Text**Data Length:** 3**Description:**Manufacturer drawing number revision cast into side frame.

---

**SIDEFAME\_C508****Element Name:**

Side Frame Serial Number (●)

**Data Type:** Text

**Data Length:** 10

**Description:**

Manufacturers serial number cast into side frame.

## SIDEFAME\_C509

**Element Name:**

Side Frame MFG Heat Number

**Data Type:** Text

**Data Length:** 10

**Description:**

Manufacturers heat number assigned to side frame when it was cast. Newly manufactured side frames only.

**Validation Rules:**

- Manufacturers heat number is required for new side frames.

## SIDEFAME\_C510

**Element Name:**

Side Frame MFG Heat Treat Load Number

**Data Type:** Text

**Data Length:** 12

**Description:**

Manufacturers heat treat load number assigned to bolster when it was heat treated. Newly manufactured bolsters only.

**Validation Rules:**

- Manufacturers heat treat load number is required for new side frames.

## SIDEFAME\_C511

**Element Name:**

Side Frame Reconditioner AAR Facility Code

**Data Type:** Text

**Data Length:** 4

**Description:**

QA code assigned by AAR that uniquely identifies location where side frame was reconditioned.

**Valid Values:**

Value	Description
AEPA	AEP, Alliance, NE
AMIS	AMERICAN INDUSTRIES, Sharon, PA
APS	ALTOONA RAILCAR REPAIR, Altoona, PA
ARC	ARIZONA RAIL CAR, INC., Tucson, AZ
ATSC	ALSTOM TRANSPORT SERVICE CALGARY, Calgary, AB
BNN	BNSF RAILWAY, Lincoln, NE
BRS	BRC RAIL CAR SERVICE CO., Lynchburg, VA
CGMQ	GATX RAIL CANADA CORPORATION, Montreal, QC
CGRD	GATX RAIL CANADA CORPORATION, Red Deer, Alberta

Value	Description
CNW	CN TRANSCONA MAIN SHOPS, Winnipeg, MB
COMM	COMET RAIL PRODUCTS, INC., Kansas City, MO
CTI	CALTRAX CORPORATION, Calgary, Alberta
DLG	DLG INDUSTRIAS, S.A. DE C.V., Pesqueria, Nuevo Leon
DRE	DONOHUE RAILROAD EQUIPMENT CO., Darlington, PA
EFDN	EQUIPOS FERROVIARIOS DEL NORTE S.A. de C.V., Gomez Palacio, Durango
EFDS	EQUIPOS FERROVIARIOS DEL SURESTE, S.A. de C.V., LaGranja, Veracruz
ELS	ESCANABA & LAKE SUPERIOR RAILROAD, Escanaba, MI
ERSN	EBENEZER RAILCAR SERVICES, West Seneca, NY
FCRB	FREIGHTCAR RAIL SERVICES, Chesterton, IN
FCRC	FREIGHTCAR RAIL SERVICES, Clinton, IN
FCRG	FREIGHTCAR RAIL SERVICES, Grand Island, NE
FCRH	FREIGHTCAR RAIL SERVICES, Hastings, NE
FCRW	FREIGHTCAR RAIL SERVICES, Wheatfield, IN
FRCO	WATCO MECHANICAL SERVICES, Omaha, NE
GCP	GREENBRIER CASTINGS - PEORIA, IL
GELS	GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.
GERS	GE RAILCAR REPAIR SERVICE COMPANY, Regina, Saskatchewan
GESP	GE RAILCAR REPAIR, Sayre, PA
GRAK	GREENBRIER RAIL SERVICES - ATCHISON, KS
GRSC	GREENBRIER RAIL SERVICES - Chehalis, WA
GRSD	GREENBRIER RAIL SERVICES - DOTHAN, AL
GRSF	GREENBRIER RAIL SERVICES - FINLEY, WA
GRSH	GREENBRIER RAIL SERVICES - HODGE, LA
GRSO	GREENBRIER RAIL SERVICES - Omaha, NE
GRST	GREENBRIER RAIL SERVICES - Tucson, AZ
GRTK	GREENBRIER RAIL SERVICES - Topeka, KS
GSW	GREENBRIER RAIL SERVICES - CLEBURNE, TX
GUN	GUNDERSON, Portland, OR
GUNS	GREENBRIER RAIL SERVICES - Springfield, OR
HCFC	HERZOG RAILROAD SERVICES, Falls City, NE
HCSJ	HERZOG RAILROAD SERVICES, St. Joseph, MO
ICDI	ILLINI CASTINGS, Danville, IL
KCSM	KANSAS CITY SOUTHERN DE MEXICO
KRRM	KIMBALL RAILCAR SERVICES, Kimball, MN
LCDM	LINEA COAHUILA DURANGO S.A. DE C.V.
LRS	LIBERTY RAILWAY SERVICES, Pueblo West, CO
LSLP	LOCOMOTORAS SAN LUIS, S.A. DE C.V.
MEI	METRO EAST INDUSTRIES, Fairview Heights, IL
MMA	MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME
MMRS	MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V.
MRC	WATCO MECHANICAL SERVICES, Council Bluffs, IA
MRJ	WATCO MECHANICAL SERVICES, Junction City, KS
MRN	WATCO MECHANICAL SERVICES, Neodesha, KS
MRS	WATCO MECHANICAL SERVICES, Scottsville, TX
MRT	WATCO MECHANICAL SERVICES, Hockley, TX
MRW	WATCO MECHANICAL SERVICES, Wood River, IL
MRZ	WATCO MECHANICAL SERVICES, Zwolle, LA
MWR	MIDWEST RAILCAR REPAIR, Brandon, SD
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON
OVR	OHIO VALLEY RAILCAR CORPORATION, Wheatland, PA
PRAN	PROGRESS RAIL SERVICES, Alliance, NE
PRAT	PROGRESS RAIL SERVICES (Formerly Amarillo Railcar), Amarillo, TX
PRBA	PROGRESS RAIL SERVICES, Boaz, AL
PRCK	PROGRESS RAIL SERVICES, Corbin, KY
PRDK	PROGRESS RAIL SERVICES, Covington, KY
PRE	PROCOR LIMITED, Edmonton, Alberta

Value	Description
PRJA	PROCOR, LIMITED, Joffre, Alberta
PRNN	PROGRESS RAIL SERVICES, Northport, NE
PRPW	PROGRESS RAIL SERVICES, Portage, WI
PRR	PROCOR LIMITED, Regina, SK
PRRW	PROGRESS RAIL SERVICES, Rock Springs, WY
PRS	PROCOR LIMITED, Sarnia, Ontario
PRSN	PROGRESS RAIL SERVICE, Sidney, NE
PRTX	PROGRESS RAIL SERVICES, Waskom, TX
PRWB	PROGRESS RAIL SERVICES, Bill, WY
PRWW	PROGRESS RAIL TRANSCANADA CORP., Winnipeg, Manitoba
RI	RAILWAY & INDUSTRIAL SERVICES, Joliet, IL
RJRM	AMERICAN INDUSTRIES - MIDWEST, Independence, MO
SFPE	PROGRESS RAIL SERVICES DE MEXICO S.A. DE C.V.
SRCO	SEABOARD RAILCAR REPAIR AND CLEANING, Hugo, OK
SRSV	SAFETY RAILWAY SERVICE, Victoria, TX
SRSX	SOUTHEASTERN RAILWAY SERVICES, Magnolia, MS
STR	SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME
TERG	TALLERES DE EQUIPO RODANTE DEL BAJIO, S.A.
TETX	TEXANA TANK CAR & MFG., Nash, TX
TIVT	TRINITY RAILCAR REPAIR, INC., Vidor, TX
TRAL	TRANSCO RAILWAY PRODUCTS, Logansport, IN
TRAM	TRANSCO RAILWAY PRODUCTS, Miles City, MT
TRAO	TRANSCO RAILWAY PRODUCTS, Oelwein, IA
TTCD	TTX COMPANY, WESTERN REPAIR AND RECONDITIONING CENTER, Mira Loma, CA
TTHD	TTX COMPANY-HAMBURG DIVISION, North Augusta, SC
UTCW	UNION TANK CAR COMPANY, Evanston, WY
VSFM	VSF INDUSTRIES S.A. DE C.V.
WAT	WATCO MECHANICAL SERVICES, Coffeyville, KS
WATH	WATCO MECHANICAL SERVICES, Houston, TX
WATJ	WATCO MECHANICAL SERVICES, Jacksonville, FL
WATP	WATCO MECHANICAL SERVICES, Pittsburg, KS

**Validation Rules:**

- Reconditioned facility is required for reconditioned side frames.

**SIDEFAME\_C513****Element Name:**

Side Frame Classification / Recondition Date

**Data Type:** Date**Data Length:** 10**Description:**

Date side frame was classified or reconditioned. In MM-DD-CCYY format.

**Validation Rules:**

- Side frame reconditioned date can't be after today.
- Reconditioned date is required for reconditioned side frames.

**SIDEFAME\_C514****Element Name:**

Side Frame Condition Code (●)



**Data Type:** Text

**Data Length:** 1

**Description:**

Side frame condition code - new, secondhand, or reconditioned.

**Valid Values:**

Value	Description
1	New
2	Secondhand
3	Reconditioned

---

## SIDEFAME\_C515

**Element Name:**

Column Wear Plate Installed

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a column wear plate was installed.

**Valid Values:**

Value	Description
Y	Yes
N	No

---

## SIDEFAME\_C516

**Element Name:**

Nominal Wheel Base (●)

**Data Type:** Text

**Data Length:** 2

**Description:**

Indicates the nominal wheel base of the side frame.

**Valid Values:**

Value	Description
61	61 inches
63	63 inches
66	66 inches
68	68 inches
70	70 inches
72	72 inches

**SIDEFAME\_C517****Element Name:**

Button Count (●)

**Data Type:** Numeric**Data Length:** 1**Description:**

Button count.

**Valid Values:**

Value	Description
1	1 button
2	2 buttons
3	3 buttons
4	4 buttons
5	5 buttons

**SIDEFAME\_C518****Element Name:**

Side Frame Cast Year (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Year cast on side frame. In YY format.

---

**SLAKADJUST\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

---

**SLAKADJUST\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

---

**SLAKADJUST\_C901****Element Name:**

Slack Adjuster Condition Code (●)

**Data Type:** Text**Data Length:** 1**Description:**

New or Reconditioned Slack Adjuster

**Valid Values:**

Value	Description
1	New
3	Reconditioned

---

**SLAKADJUST\_C902****Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of a Slack Adjuster

**Valid Values:**

Value	Description
CWE	CARDWELL WESTINGHOUSE COMPANY, Chicago, IL
DRBI	DESIGNING AND RAILROAD MANUFACTURING COMPANY, INC., Blue Island, IL
EN	ELLCON NATIONAL, Greenville, SC U.S.A.
GMWS	GRAHAM-WHITE MANUFACTURING COMPANY, Shreveport, LA
GTI	GRIFFIN TECHNOLOGY, INC., Alexandria, AL
MPC	MOTIVE POWER INC., Boise, ID
NYKC	NEW YORK AIR BRAKE, Riverside, MO USA
NYNY	NEW YORK AIR BRAKE CO., Watertown, NY USA
NYON	NEW YORK AIR BRAKE CO., Kingston, ON Canada
PREM	PREMTEC INC, Salisbury, NC
PRBA	PROGRESS RAIL SERVICES, Boaz, AL
CRSI	RAIL EXCHANGE FABRICATORS, LLC, Chicago Heights, IL
RRIV	RED RIVER AIR BRAKE INC, Winnipeg, MB
SKFT	SKF Technologies (India) Private Limited, Ahmedabad Gujarat
WACA	WABTEC GLOBAL SERVICES, Carson City, NV
WASC	WABTEC GLOBAL SERVICES, Columbia, SC
WAPQ	WABTEC GLOBAL SERVICES, Lachine, PQ

**SLAKADJUST\_C903****Element Name:**

Slack Adjuster Stamped Year

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Year stamped on the outside of the Slack Adjuster

**Validation Rules:**

- Slack Adjuster Stamped Year is Required for New Slack Adjusters

**SLAKADJUST\_C904****Element Name:**

Slack Adjuster Stamped Month

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Month stamped on the outside of the Slack Adjuster

**Validation Rules:**

- Slack Adjuster Stamped Month is Required for New Slack Adjusters
- Slack Adjuster Stamped Month must be between 1 and 12

---

**SLAKADJUST\_C905****Element Name:**

Slack Adjuster Recondition Date

**Data Type:** Date**Data Length:** 10**Description:**

Date the slack adjuster was reconditioned

**Validation Rules:**

- Slack Adjuster Reconditioned Date is Required for Reconditioned Slack Adjusters
- Slack Adjuster Reconditioned Date is Not Required for New Slack Adjusters
- Slack Adjuster Reconditioned Date can't be after Today

---

**SLAKADJUST\_C906****Element Name:**

Slack Adjuster AAR Group

**Data Type:** Text**Data Length:** 2**Description:**

AAR Group

**Valid Values:**

Value	Description
A	Group A - Obsolete
B	Group B - Obsolete
C	Group C
D	Group D
E	Group E
F	Group F
G	Group G - Obsolete
H	Group H
J	Group J
K	Group K
L	Group L
M	Group M
N	Group N
O	Group O
P	Group P
Q	Group Q
R	Group R

**Validation Rules:**

- Slack Adjuster AAR Group is Required
- Slack Adjuster AAR Group is required for New Slack Adjusters when the Group is not E or R and the Manufacturer is not Ellcon

---

**SLAKADJUST\_C907****Element Name:**

OEM Model Number (●)

**Data Type:** Text

**Data Length:** 20

**Description:**  
Manufacturer model number

**Valid Values:**

Value	Description
1340	No. 1340
1480	Model 1480
4000	Model 4000
1700	Model 1700
1250	Model 1250
D	Type D
6825	Model 6825
6800	Model 6800
DRV-2USA-DJ	Model DRV 2USA-DJ
DRV-2-1-USA-DJ	Model DRV 2-1-USA-DJ
2000DJ	Model 2000 DJ
4600DJ	Model 4600DJ
1900DJ	Model 1900DJ
5000DJ	Model 5000DJ
5001DJ	Model 5001DJ
2100DJ	Model 2100DJ
2300DJ	Model 2300DJ
KRD-2A-500-AR	KRD-2A-500-AR
KRD-482-E	KRD-482-E
DRV-2	Type DRV-2
2000	Model 2000
4500M	Model 4500M
1900	Model 1900
FFA	Type FFA
B	Type B
2000-R	Model 2000-R
DRV-2-101KDJ	Model DRV-2-101KDJ
9100DJ	Model 9100DJ
5002DJS	Model 5002DJS
4	Model 4
5006-DJ	Model 5006-DJ
10-10S	Model 10-10S
9100-12	Model 9100-12
7	Model 7
5	Model 5
7100-10	Model 7100-10
7100-21	Model 7100-21
TTC-357	TTC-357
KRD-133L	KRD-133L
7D	Model 7D
5D	Model 5D
7100-30	Model 7100-30
7100-40	Model 7100-40
TTC-356	TTC-356
TTC-356-E	TTC-356-E
7100-26-26R	Model 7100-26/26R
7100-22-22R	Model 7100-22/22R
7100-25-25R	Model 7100-25/25R
7100-28-28R	Model 7100-28/28R
C-1000-DJ	Model C-1000-DJ
85A	Model 85A
7100-35	Model 7100-35
KRD-482-R	KRD-482-R

Value	Description
2500DJ	Model 2500DJ

**Validation Rules:**

Slack Adjuster Model Number does not match to its corresponding Manufacturer

**SLAKADJUST\_C908****Element Name:**

Slack Adjuster Manufacturer (●)

**Data Type:** Text

**Data Length:** 20

**Description:**

Manufacturer of the slack adjuster

**Valid Values:**

Value	Description
AJ	Ajax-Consolidated Company
AM	American SAB Company
EL	Elcon-National, Inc
NY	New York Air Brake Co
SL	Sloan Valve Co
TR	Triax-YSD
UN	Universal Railway Devices Co
WS	Westinghouse Air Brake Company

**SLAKADJUST\_C909****Element Name:**

Serial Number (●)

**Data Type:** Text

**Data Length:** 15

**Description:**

Slack Adjuster serial number

**SLAKADJUST\_C910****Element Name:**

MFG Configuration Code

**Data Type:** Text

**Data Length:** 6

**Description:**

Slack Adjuster Configuration Code

**Validation Rules:**

- Slack Adjuster Configuration Code is Required for New York Air Brake Slack Adjusters.

**Wheelset\_C003****Element Name:**

Component AAR Facility Code (●)

**Data Type:** Text**Data Length:** 4**Description:**

4-letter code uniquely identifying the facility where the component was originated.

**Valid Values:**

Value	Description
AADC	AMTRAK-ACELA, Washington, DC
ABG	AMTRAK, Beech Grove, IN
ACI	AMTRAK, Chicago ,IL
ACWV	ACF INDUSTRIES, LLC, Huntington, WV
AD	VALDUNES, SAS, Valenciennes, Dunkerque FRANCE
ADC	AMTRAK, Washington ,DC
AL	ALASKA RAILROAD CORPORATION, Anchorage, AK
ALA	AMTRAK, Los Angeles, CA
AMA	AMTRAK, Boston, MA
AMFL	AMTRAK, Hialeah, FL
AMIS	AMERICAN INDUSTRIES, Sharon, PA
AMOC	AMTRAK, Oakland, CA
AMSW	AMTRAK, Seattle, WA
ANY	AMTRAK, Long Island, NY
ARIP	AMERICAN RAILCAR INDUSTRIES, Paragould, AR
ARNY	AMTRAK, Rensselaer, NY
ATCF	ALSTOM TRANSPORT, Le Creusot Cedex, France
AW	AMTRAK, Wilmington, DE
AWSI	ALLIANCE WHEEL SERVICES LLC, Washington, IL
BALS	SC SMR S.A. / Mecanoexportimport SA Bucuresti, Bals
BNN	BNSF RAILWAY, Lincoln, NE
CNPG	CN RAIL, Prince George, BC
CNTO	CN RAIL, Concord, ON Canada
CNW	CN TRANSCONA MAIN SHOPS, Winnipeg, MB Canada
CPS	CPS ENERGY, San Antonio,TX
CPWW	Canadian Pacific
EFDN	EQUIPOS FERROVIARIOS DEL NORTE S.A. de C.V.
EFDS	EQUIPOS FERROVIARIOS DEL SURESTE, S.A. de C.V.
FCAR	FREIGHT CAR AMERICA, Roanoke, VA
FRNC	FRIT CAR & EQUIPMENT, Bridgeton, NC
FXEG	FERROCARRIL MEXICANO S.A. DE C.V.
GELS	GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.
GNCF	GUNDERSON CONCARRIL S.A. de C.V.
GRSM	GREENBRIER RAIL SERVICES - MACON, GA
GRSN	GREENBRIER RAIL SERVICES - HERSHEY, NE
GUAR	GREENBRIER RAIL SERVICES - PINE BLUFF, AR
GUN	GUNDERSON, LLC, Portland, OR
GUNW	GREENBRIER RAIL SERVICES - Tacoma, WA
LI	LONG ISLAND RAILROAD, Hollis, NY
MEI	METRO EAST INDUSTRIES, Fairview Heights, IL
MMA	MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME
MNX	METRO NORTH COMMUTER RAIL DIV., Croton-on-Hudson, NY
MPC	MOTIVEPOWER INC., Boise, ID
MSS	MULTI SERVICE SUPPLY DIVISION, Leetsdale, PA
MWSC	GREENBRIER RAIL SERVICES - SAN BERNARDINO, CA
MWSI	GREENBRIER RAIL SERVICES - CHICAGO HEIGHTS, IL



Value	Description
MWSK	GREENBRIER RAIL SERVICES - KANSAS CITY, KS
MWSM	MERIDIAN WHEEL SERVICES
MWSP	GREENBRIER RAIL SERVICES - LEWISTOWN, PA
MWST	GREENBRIER RAIL SERVICES - CORSICANA, TX
NACA	NATIONAL ALABAMA CORPORATION, Cherokee, AL
NJT	NJ TRANSIT RAIL OPERATIONS, Kearny, NJ
NRC	NRE - WHEELWORKS, Milwaukee, WI
NSC	NATIONAL STEEL CAR, Hamilton, ON
NTSK	NEWTEC RSI CO., Seoul, Korea
NYC	NEW YORK CITY TRANSIT, Brooklyn, NY
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON
ORS	ORX RAILWAY CORPORATION, Tipton, PA
OVR	OHIO VALLEY RAILCAR, Wheatland, PA
PMCB	PENN MACHINE COMPANY, Blairsville, PA
PRBA	PROGRESS RAIL SERVICES, Boaz, AL
PRLK	PROGRESS RAIL SERVICES, Louisville, KY
PRSC	PROGRESS RAIL SERVICES, Jackson, SC
PRSN	PROGRESS RAIL SERVICE, Sidney, NE
PRTX	PROGRESS RAIL SERVICES, Waskom, TX
PRWW	PROGRESS RAIL TRANSCANADA, Winnipeg, Manitoba
PRXC	PROGRESS RAIL, Mojave, CA
PRXI	PROGRESS RAIL SERVICES, East Chicago, IN
PVMQ	PROGRESS RAIL TRANSCANADA, Lachine, PQ
PVRC	PROGRESS VANGUARD, Rocklin, CA
PYSC	PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V.
RELI	RELCO LOCOMOTIVES, Albia, IA
RW	R&W MACHINE DIVISION, Bedford Park, IL
SFM	SERVICIOS FERROVIARIOS DE NORTE AMERICA, Monterrey, Mexico
SFPE	PROGRESS RAIL SERVICES DE MEXICO, Empalme Escobedo, GTO
SRQC	SAGUENAY RAILWAY, Jonquiere, PQ
SRSV	SAFETY RAILWAY SERVICE, Victoria, TX
STR	SPRINGFIELD TERMINAL RAILWAY, Waterville, ME
TETX	TEXANA TANK CAR, Nash, TX
THMC	TAIYUAN HEAVY INDUSTRY, Taiyuan City, Shanxi Province
TITX	STANDARD FORGED PRODUCTS, Dallas, TX
TMMX	TRINITY NORTH AMERICA FREIGHT CAR, Monclova, Coahuila
TT	TEXAS TANK CAR WORKS, San Angelo, TX
TTHD	TTX COMPANY, North Augusta, SC
UTC	UTC/RAS, Morton, PA
UTGM	CALDER UTC RAIL S.A. de C.V. á MARKETING INDUSTRIAL, S.A. de C.
WWCA	WHEELWORX, Calera, AL

## Wheelset\_C004

**Element Name:**

Component Assembly Timestamp (●)

**Data Type:**           Timestamp

**Data Length:**       20

**Description:**

Date/time when wheelset assembly is finalized at the wheel shop.

**Validation Rules:**

- Component assembly date can't be after today
  - Bearing manufacture date can't be after component assembly date
  - Wheel manufacture date can't be after component assembly date
  - Axle manufacture date can't be after component assembly date
- 

## Wheelset\_C005

**Element Name:**

Extended Wheelset Codes

**Data Type:**           Text

**Data Length:**       8

**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. The format is a fixed format with the first four characters being the company code with leading spaces and the last four characters being digits with leading zeros. When used, the codes and their general meaning must be communicated to the AAR so that conflicts do not arise. In the future, an example would be that Company XXXX used code XXX1 on axles produced with a special surface qualification. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

---

## Wheelset\_C006

**Element Name:**

Component Vendor Shipment Information

**Data Type:**           Text

**Data Length:**       1000

**Description:**

Optional. For use by component manufacturer/assembler to convey shipment information to customer

---

## Wheelset\_C007

**Element Name:**

Component Defect Flag

**Data Type:**           Text

**Data Length:**       1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

---

**Valid Values:**

Value	Description
Y	Yes

**Wheelset\_C008****Element Name:**

Component Source

**Data Type:** Text**Data Length:** 15**Description:**

Indicates the Source of the Component Registration. Primarily used for backfill.

**Wheelset\_C009****Element Name:**

Partial Registration

**Data Type:** Text**Data Length:** 1**Description:**

Indicates if the registration is a partial registration. B=CRB backfill P=Field partial.

**Wheelset\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

**Wheelset\_C103****Element Name:**

Wheel AAR Facility Code

**Data Type:** Text**Data Length:** 4**Description:**

Up to 4-character "QA Facility Code" maintained by AAR for M-1003 certifications.

**Valid Values:**

Value	Description
ABCD	DATONG ABC CASTING COMPANY, Datong City, Shanxi Province
AD	VALDUNES, SAS, Valenciennes, Dunkerque FRANCE
AMCB	AMSTED MAXION FOUNDRY AND RAILWAY EQUIPMENT, Cruzeiro, BRAZIL
BALS	SC SMR S.A. / Mecanoexportimport SA Bucuresti
BVVG	BOCHUMER VEREIN VERKEHRSTECHNIK, Bochum, Germany
CAF	CONSTRUCCIONES y AUXILIAR de FERROCARRILES, S. A.
GWC	AMSTED RAIL COMPANY, Groveport, Ohio
GWK	AMSTED RAIL COMPANY, Keokuk, IA
GWKC	AMSTED RAIL COMPANY, Kansas City, KS
GWW	GRIFFIN WHEEL COMPANY, Winnipeg, Manitoba
IND	RAIL WHEEL FACTORY - INDIAN RAILWAYS, Bangalore, Karnataka INDIA
MAAN	MAANSHAN IRON & STEEL COMPANY, Maanshan City, Anhui Province
MSA	MWL BRASIL RODAS & EIXOS (formerly mafersa), Cacapava, Sao Paulo Brasil
NTDU	NIZHNEDNEPROVSKY TUBE ROLLING PLANT, Dnepropetrovsk, Ukraine
NTSR	OPEN JOINT STOCK COMPANY, Nizhny Tagil, Sverdlovsk Russia
OSRA	ONESTEEL RAIL AND FORGE, Waratah, NSW Australia
OSW	Nippon Steel & Sumitomo Metal Corporation
SCAW	SCAW SOUTH AFRICA, UNION JUNCTION WORKS, Germiston, Gauteng South Africa
SMI	SUMITOMO METAL INDUSTRIES, Osaka City, Osaka
SS	STANDARD STEEL, Burnham, PA
TER	LUCCHINI RS S.p.A., Lovere, Bergamo ITALY
THMC	TAIYUAN HEAVY INDUSTRY, Taiyuan City, Shanxi Province
TRZW	TIANRUI GROUP FOUNDRY, Ruzhou City, Henan China
VYK	PJSC "VYKSA STEEL WORKS", Vyksa, Nizhegorodskaya Region Russia
XATC	XINYANG AMSTED TONGHE WHEELS COMPANY, Xinyang City, Henan Prov
ZDB	BONATRANS GROUP, Bohumin, Czech Republic

**Wheelset\_C104****Element Name:**

Wheel Manufactured Timestamp

**Data Type:** Timestamp**Data Length:** 20**Description:**

Date that identifies the month, day, year and time of manufacture. Passes final QA inspection. Provided by the OEM. Not required for turned wheels.

**Validation Rules:**

- Wheel manufacture date can't be after today.
- Wheel manufactured timestamp is required for new wheels

---

**Wheelset\_C105****Element Name:**

Wheel Stamped Year (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Wheel stamped year from manufacture. Physically stamped on wheel.

---

**Wheelset\_C106****Element Name:**

Wheel Stamped Month (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Wheel stamped month from manufacture. Physically stamped on wheel.

**Validation Rules:**

- Wheel stamped month must be between 1 and 12

---

**Wheelset\_C107****Element Name:**

Wheel Stamped Manufacturer Code (●)

**Data Type:** Text**Data Length:** 2**Description:**

1 (prior to 3-78) or 2-letter code that identifies the manufacturer as defined by AAR Field Manual Rule 41 Table “Identification of Wheel Markings”

**Valid Values:**

Value	Description
SO	ABC Rail (Calera)
SJ	Abex (Johnstown)
C	Abex Rail (Calera)
S	Abex (St Louis Missouri)
T	Abex (Toledo, OH)
TW	Adtranz (England)
CZ	Amsted Maxion
A	Armco (Prior to March 1978)
BV	B.V.V. (Formerly VSG)
BW	Bethlehem
B	Bethlehem (Prior to March 1978)
P	British Steel, Tempelborough and Ickles Works (Prior to March 1978)
ZW	Canadian Steel Wheel
Z	Canadian Steel Wheel (Prior to March 1978)
QW	Construcciones y Auxiliar de Ferrocarriles (Spain)

Value	Description
FW	Creusot-Loire (France)
F	Creusot-Loire (France, Prior to March 1978)
CO	DATONG ABC CASTING COMPANY, LTD.
EW	Edgewater
E	Edgewater (Prior to March 1978)
EV	Evraz Group, Nizhni Tagi, Russia
FM	Fundiciones de Hierro Y Acero (Mexico)
GM	Fundiciones de Hierro Y Acero (Mexico, Prior to March 1978)
GB	Griffin, Bensenville
GS	Griffin, Bessemer
GL	Griffin, Colton Plant
GC	Griffin, Columbus, 1982 and Later
GI	Griffin, Kansas City
GK	Griffin, Keokuk
GY	Griffin, ST. Hyacinthe
GT	Griffin, Winnipeg
L	Italsider (Italy, Prior to March 1978)
KW	Klockner (Germany)
K	Klockner (Germany, Prior to March 1978)
LW	Lovere (Italy)
MW	MAFERSA (Brazil)
WI	Ministry of Railways (India)
HW	MAANSHAN IRON & STEEL COMPANY LTD.
NW	NIZHNEPROVSKY TUBE ROLLING PLANT
CS	ONESTEEL RAIL AND FORGE
TY	TAIYUAN HEAVY INDUSTRY CO., LTD.
TZ	TAIYUAN HEAVY INDUSTRY CO., LTD.
AW	SCAW Metals (South Africa)
RW	SMR Rolling Stock Assemblies (Romania)
SW	Standard Steel
JW	Sumitomo (Japan)
J	Sumitomo (Japan, Prior to March 1978)
RZ	TIANRUI GROUP FOUNDRY CO., LTD.
G	U.S. Steel (Gary Plant, Prior to March 1978)
CW	U.S. Steel (Pittsburgh Plant)
V	Unisor (France, Prior to March 1978)
XX	Unknown or not Legible
VW	Valdunes (France)
VK	Vyksa Steel Works
TA	XINYANG AMSTED TONGHE WHEELS COMPANY LTD.
DW	Zelezarny A Dravtony Bohumin (Czech Republic)

## Wheelset\_C108

### Element Name:

Wheel Stamped Class (●)

**Data Type:** Text

**Data Length:** 2

### Description:

The stamped wheel material class: B,C,D, or U. Also called the heat treat class. This term is used loosely and is not well defined, but is standard and consistent.

### Valid Values:

Value	Description
B	Heat Treated Wheels
C	Heat Treated Wheels

Value	Description
D	Alloy Wheels
U	Non-Heat Treated or Unmarked

**Validation Rules:**

- Both wheels must have the same stamped class

---

**Wheelset\_C109****Element Name:**

Wheel Rim Thickness Side Scale Reading (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

2-digit number reporting the measured thickness of the rim, in 1/16th of an inch, using standard steel wheel gauge. For example, a reported reading of 24 = 24/16" rim thickness.

---

**Wheelset\_C110****Element Name:**

Wheel Finger Gauge Reading (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

2-digit number reporting the flange thickness using Standard Steel Wheel Gauge.

---

**Wheelset\_C111****Element Name:**

Wheel Stamped Serial Number (●)

**Data Type:** Text**Data Length:** 8**Description:**

Serial number stamped into or cast on the wheel.

---

## Wheelset\_C112

**Element Name:**

Wheel Heat/Melt

**Data Type:** Text**Data Length:** 8**Description:**

Up to 8 digits or characters according to manufacturer - no existing specification. Even if the heat or melt information is somehow contained in the stamped serial number, the applicable portion will be supplied in this field.

**Validation Rules:**

- Wheel heat/melt is required for new wheels

---

## Wheelset\_C113

**Element Name:**

Wheel Nominal Diameter (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

2-character wheel diameter size, based on wheel design stamped on wheel.

**Valid Values:**

Value	Description
28	28 inch wheel
30	30 inch wheel
33	33 inch wheel
36	36 inch wheel
38	38 inch wheel

**Validation Rules:**

- Both wheels must have the same nominal diameter

---

## Wheelset\_C114

**Element Name:**

Wheel Design Code (●)

**Data Type:** Text**Data Length:** 6**Description:**

1, 2 or 3-character code indicating wheel design stamped on the wheel. When combined with nominal wheel diameter, allows the rim type to be identified as 1-Wear (1W), 2-Wear (2W), or Multiple Wear.

**Valid Values:**

Value	Description
A	A Wheel Design Designation
CA	CA Wheel Design Designation
CB	CB Wheel Design Designation
CD	CD Wheel Design Designation



Value	Description
E	E Wheel Design Designation
CE	CE Wheel Design Designation
P	P Wheel Design Designation
CP	CP Wheel Design Designation
AX	AX Wheel Design Designation
CAX	CAX Wheel Design Designation
G	G Wheel Design Designation
CG	CG Wheel Design Designation
J	J Wheel Design Designation
CJ	CJ Wheel Design Designation
K	K Wheel Design Designation
CK	CK Wheel Design Designation
M	M Wheel Design Designation
CM	CM Wheel Design Designation
N	N Wheel Design Designation
CN	CN Wheel Design Designation
R	R Wheel Design Designation
CR	CR Wheel Design Designation
H	H Wheel Design Designation
CH	CH Wheel Design Designation
B	B Wheel Design Designation
C	C Wheel Design Designation
CC	CC Wheel Design Designation
X8	AAR-X-8 Cast Steel
CND	Cast without Design Designation
WND	Wrot without Design Designation
CS1	AAR CS-1 Griffin
CS	AAR CS Cast Steel
X7	AAR-X-7 Cast Steel
X9	AAR-X-9 Cast Steel
CS2	AAR CS-2 Cast Steel, ex. Griffin
X6	AAR-X-6 Wrot Steel
CSM	AAR-CS-M Cast Steel
S	S Wrot Steel
X3	AAR-X-3 Cast Steel
ABEX	Southern (ABEX) 50-ton Cast Steel
X2	AAR-X-2 Cast Steel
X4	AAR-X-4 Cast Steel
X5	AAR-X-5 Cast Steel
X15	AAR-X-15 Wrot Steel
X11	AAR-X-11 Wrot Steel
X12	AAR-X-12 Cast Steel
X16	AAR-X-16 Wrot Steel
X13	AAR-X-13 Cast Steel
X17	AAR-X-17 Wrot Steel

**Validation Rules:**

- Both wheels must have the same design code
- Wheel design codes X3, X6, X7, X8, X9, X11, X12, X13, X15, X16, X17, S, CS, CS1, CS2, CSM, CND, WND, ABEX not allowed on full registrations

---

## Wheelset\_C115

**Element Name:**

Wheel Plate Type (●)

**Data Type:** Text**Data Length:** 2**Description:**

CP or SP (Curved Plate or Straight Plate) The straight plate design is called a high stress design because heat input creates large stresses in these wheels. Curved plate designs are called low stress designs because they flex upon heating to allow relief.

**Valid Values:**

Value	Description
SP	Straight Plate
CP	Curved Plate

**Validation Rules:**

- Both wheels must have the same plate type

---

## Wheelset\_C116

**Element Name:**

Wheel Tape Size (●)

**Data Type:** Numeric**Data Length:** 6**Description:**

The circumference on a new wheel or newly turned wheel according to a wheel tape.

---

## Wheelset\_C117

**Element Name:**

Wheel New Turned (●)

**Data Type:** Text**Data Length:** 1**Description:**

New or Turned (Re-profiled) wheels.

**Valid Values:**

Value	Description
N	New
T	Turned

**Validation Rules:**

- Both wheels must be either new or turned

---

## Wheelset\_C118

**Element Name:**

Wheel Rim Type

**Data Type:** Text

**Data Length:** 3

**Description:**

Rim Type derived by Railinc.

**Validation Rules:**

- Wheel design code and nominal diameter must match up to a valid rim type code

## Wheelset\_C119

**Element Name:**

AAR Contour for Freight Car Wheels

**Data Type:** Text

**Data Length:** 2

**Description:**

The AAR tread contour the wheel is manufactured to for new or machined to for turned. This field must be provided by the wheel manufacturer or by the wheel shop and be included in the wheel set registration data sent to Railinc for all wheel sets.

**Valid Values:**

Value	Description
1B	1B
2A	2A

## Wheelset\_C011

**Element Name:**

Purchased Core Turned

**Data Type:** Text

**Data Length:** 1

**Description:**

Identify Purchased Core Turned Wheelsets

**Valid Values:**

Value	Description
Y	Yes
N	No

**Validation Rules:**

- The source CID information cannot be associated to an active car or the associated car must be designated with SX for the transportation codes.
- Wheelset\_C117 must be "T – Turned" for this element to be available.

## Wheelset\_C203

**Element Name:**

Bearing AAR OEM Reconditioner Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

4-letter code uniquely identifying the shop where the component was originated. Code is established by AAR. Identifies OEM, reconditioner, assembler, RIP track, where data was entered.

**Valid Values:**

Value	Description
AW	AMTRAK, Wilmington,DE
BNN	BNSF RAILWAY, Lincoln, NE
BVA	AMSTED RAIL COMPANY, Petersburg,VA
CBX	COOPER BEARINGS, Georgetown, DE
CPWW	CANADIAN PACIFIC, Winnipeg Manitoba
FAGC	SCHAEFFLER (NINGXIA) CO. LTD.
FAGI	SCHAEFFLER FAG BEARING INDIA LIMITED MANEJA
GRSE	GREENBRIER RAIL SERVICES - ELIZABETHTOWN
ILJN	BEARING ART YEONGJU PLANT, Yeongju-si Gyeongsangbuk-do
LI	LONG ISLAND RAILROAD, Hollis,NY
LLYC	LUOYANG LYC BEARING CO LTD, LUOYANG, HENAN, CHINA
NEJI	BRENCO - NBC, Jaipur, India
NSK	NSK, Fujisawa, Japan
NTNJ	NTN, Kuwana City,MIE Japan
NYC	NEW YORK CITY TRANSIT, Brooklyn, NY
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON
PLXK	PHOENIX BEARINGS, Elizabethtown,KY
PRAL	PROGRESS RAIL SERVICES, Arab, AL
PRBK	PRECISION ROLLER BEARING COMPANY, Elizabethtown,KY
PRLR	PROGRESS RAIL SERVICES, N. Little Rock,AR
PRNE	PROGRESS RAIL SERVICES, Sparks,NV
PRWW	PROGRESS RAIL TRANSCANADA, Winnipeg,Manitoba
PYSC	PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V.
RABE	RANGER BEARINGS, Memphis, TN
RBIL	THE TIMKEN CORPORATION - Carlyle, IL
RBLK	THE TIMKEN CORPORATION - LENEXA, KS
RBTN	THE TIMKEN CORPORATION - Mascot, TN
RBUT	THE TIMKEN CORPORATION - Ogden, UT
SGWG	SCHAEFFLER TECHNOLOGIES GmbH, Wuppertal, Germany
SKF	SKF, INDUSTRIE S.p.A. Railways Division
SKFC	BEIJING NANKOU SKF RAILWAY BEARINGS, Villar Perosa,Turin Italy
SKFI	SKF TECHNOLOGIES, Bangalore,Karnataka India
SKFR	SKF TVER LLC - RUSSIA
SKFT	SKF Technologies (India) Private Limited, Ahmedabad Gujarat
SKML	SKF USA, INC. MOODY AL
SRC	SERVICIOS ROTATIVOS DE CALIDAD, S.A. de C.U.

Value	Description
SRCB	SRC IMPORTACA'S MANUTENCAO U EXPORTACAS LTDA., Brasil
STLN	A Stucki Company - Lincoln
T	THE TIMKEN COMPANY, Mascot,TN
TJI	TIMKEN INDIA, Jamshedpur, India
TMKS	TIMKEN COMPANY LTD., Yantai, Shandong, China
TSA	TIMKEN SOUTH AFRICA, Benoni South,Gauteng Republic of South Africa
UTC	UTC/RAS, Morton,PA
UTGM	CALDER UTC RAIL S.A. de C.V. MARKETING INDUSTRIAL, S.A. de C.

**Validation Rules:**

- Can't register a wheelset that does not have 2 bearings.

**Wheelset\_C204****Element Name:**

Bearing Manufacture Timestamp (●)

**Data Type:** Timestamp

**Data Length:** 20

**Description:**

Date and time that identifies the month, day and year of manufacture.

**Validation Rules:**

- Bearing manufacture date can't be after today.

**Wheelset\_C205****Element Name:**

Bearing Cup Serial Number

**Data Type:** Text

**Data Length:** 8

**Description:**

Serial number stamped on the cup inside the bearing.

**Validation Rules:**

- Bearing cup serial number is required for new bearings.

**Wheelset\_C206****Element Name:**

Bearing Cup Stamped Year

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Year stamped on Cup inside Bearing.

**Validation Rules:**

- Bearing cup stamped year is required for new bearings.

---

**Wheelset\_C207****Element Name:**

Bearing Cup Stamped Month

**Data Type:** Numeric**Data Length:** 2**Description:**

Month Stamped on Cup inside Bearing

**Validation Rules:**

- Bearing cup stamped month must be between 1 and 12
- Bearing cup stamped month is required for new bearings

---

**Wheelset\_C208****Element Name:**

Bearing Nominal Diameter (●)

**Data Type:** Numeric**Data Length:** 3**Description:**

Nominal diameter of the bearing in inches.

**Valid Values:**

Value	Description
5.0	5 inch Diameter
5.5	5.5 inch Diameter
6.0	6 inch Diameter
6.5	6.5 inch Diameter
7.0	7 inch Diameter

**Validation Rules:**

- Both bearings must have the same nominal diameter

---

**Wheelset\_C209****Element Name:**

Bearing Nominal Length (●)

**Data Type:** Numeric**Data Length:** 4**Description:**

Nominal length of the bearing in inches.

**Valid Values:**

Value	Description
8.0	8 inch Length
9.0	9 inch Length

Value	Description
10.0	10 inch Length
11.0	11 inch Length
12.0	12 inch Length

**Validation Rules:**

- Both Bearings must have the same nominal length
- Bearing nominal diameter of 6.0 requires a nominal length of 8.0 or 11.0
- Bearing nominal diameter of 6.5 requires a nominal length of 9.0 or 12.0
- Bearing nominal diameter of 7.0 requires a nominal length of 9.0 or 12.0
- Bearing nominal diameter of 5.5 requires a nominal length of 10.0

**Wheelset\_C210****Element Name:**

Bearing Certificate Number (●)

**Data Type:** Text**Data Length:** 3**Description:**

Bearing certificate number

**Valid Values:**

Value	Description
1	Timken AP (Orange)
1A	Timken AP (Orange)
5	Brenco (Green)
5A	Brenco (Green)
6	Hyatt (Blue)
6A	Hyatt (Blue)
6B	Hyatt (Blue)
8	Bower Roller Bearing
10	NTN Corporation
10A	NTN Titan (Purple)
11	Nippon Seiko NSK
11A	Nippon Seiko
12	Nachi Fujikoshi
13	FAG Kugelfischer (Red)
14	Koyo Seiko (White)
16	Magnus Metal Division
19	NTN Titan (Purple)
20	Timken XP
21	Hyatt
22	Nippon Seiko
23	SKF (Yellow)
24	Koyo Seiko MF
25	Brenco XL
26	FAG (Brown)
27	Timken
28	Brenco
29	Roller Bearing Industries (Gold)
30	SKF
32	FAG
33	LYC
34	ILJIN

---

## Wheelset\_C211

**Element Name:**

Bearing New or Reconditioned (●)

**Data Type:** Text**Data Length:** 1**Description:**

Indicates new or reconditioned bearing.

**Valid Values:**

Value	Description
N	New
R	Reconditioned

**Validation Rules:**

- Both bearings must be either new or reconditioned

---

## Wheelset\_C212

**Element Name:**

Extended Bearing Code

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to support future requirements of the AAR standards. It is intended that this code would enable tracking and support premium designations that would otherwise be very difficult to implement or track.

---

## Wheelset\_C213

**Element Name:**

Bearing Seal Type (●)

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.



**Valid Values:**

Value	Description
8AMS0001	Brenco DDL
8AMS0002	Brenco ST-212
8AMS0003	Brenco Efficiency Plus
8AMS0004	Brenco Thin Gap
8AMS0005	Brenco Universal Dry Lock (UDL)
8FED0001	Federal Mogal
8FAS0001	FAG/Schaeffler
8NTN0001	NTN-Titan
8SKF0001	SKF GenII
8SKF0002	SKF CR-70113
8SKF0003	SKF LL
8TIM0001	Timken NT
8TIM0002	Timken HDL
8TIM0003	Timken AP-2 HDL
8TIM0004	Timken EcoTurn
8TIM0005	Timken Gen 2 HDL

**Wheelset\_C214****Element Name:**

Bearing Grease Type (●)

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

Value	Description
XOMX0001	Exxon Arapen RB-320
XOMX0002	Timken Premium Rail Grease
SOEX0003	Shell Alavnia EP-D
SOEX0006	Shell Alavnia DTR
XOMX0004	Shell SHC-100
XOMX0005	Shell SHC-221

---

**Wheelset\_C215****Element Name:**

Bearing Cage Type (●)

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

Value	Description
AARX0001	All Makes Steel Cage
AARX0002	All Makes Polymer Cage
8AMS0001	Brenco Polymer
8AMS0002	Brenco Steel
8AMS0003	Brenco Steel
8AMS0004	Brenco Polymer
8ILJ0001	ILJIN Polymer
8LYC0001	LYC Steel
8LYC0002	LYC Polymer
8SKF0001	SKF Steel
8SKF0002	SKF Polymer
8SKF0003	SKF Polymer
8TIM0001	Timken Steel
8TIM0002	Timken Polymer
8TIM0003	Timken Steel
8TIM0004	Timken Polymer

---

**Wheelset\_C216****Element Name:**

Bearing Backing Ring Type (●)

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

Value	Description
AARX0001	All makes Natural Fitted
AARX0002	All makes Non-Fitted
8AMS0001	Brenco Natural Fitted
8AMS0002	Brenco Natural Fitted
8AMS0003	Brenco Tru-Fit
8ILJ0001	ILJIN OEM
8LYC0001	LYC OEM
8RAN0001	Ranger Purefit
8SKF0001	SKF Natural Fitted
8SKF0002	SKF Natural Fitted
8TIM0001	Timken Natural Fitted

Value	Description
8TIM0002	Timken Natural Fitted
8TIM0003	Timken Sur-Fit
8TIM0004	Timken
8TIM0005	Timken Sur-Fit
8TIM0006	Timken Sur-Fit
8TIM0007	Timken Sure-Fit 2
8TIM0008	Timken Sure-Fit 2
8TIM0009	Timken Sure-Fit 2
8TIM0010	Timken Sure-Fit 3
8TIM0011	Timken Sure-Fit 3
8TIM0012	Timken Sure-Fit 3
AARX0003	All makes Universal

## Wheelset\_C217

**Element Name:**

Bearing Locking Plate

**Data Type:** Text

**Data Length:** 8

**Description:**

The code used to describe the type of locking plate use on the wheelset.

**Valid Values:**

Value	Description
AARX0001	Standard Locking Plate
8STG0002	Stage 8 Locking Plate, Alternate Standard

## Wheelset\_C303

**Element Name:**

Axle AAR OEM Reconditioner Facility Code

**Data Type:** Text

**Data Length:** 4

**Description:**

4-letter code uniquely identifying the shop where the product was last manufactured or reconditioned. Wheel shop is required to update the code if wheel shop reconditioned the axle.

**Valid Values:**

Value	Description
ABG	AMTRAK, Beech Grove, IN
ACVV	ACF INDUSTRIES, LLC, Huntington, WV
AD	Valdunes (formerly Creusot-Loire), Dunkerque, France
AL	ALASKA RAILROAD CORPORATION, Anchorage, AK
AMIS	AMERICAN INDUSTRIES, Sharon, PA
ARIP	AMERICAN RAILCAR INDUSTRIES, Paragould, AR
AW	AMTRAK, Wilmington, DE
AWSI	ALLIANCE WHEEL SERVICES LLC, Washington, IL
AXPA	AXIS LLC, Paragould, AR
BALS	S. C. SMR S.A., Bals, Romania
BBEG	Bahntechnik, Brand-Erbisdorf, Germany
BFWP	Bumar-Fablock S.A., Chrzanow. Poland

Value	Description
BNN	BNSF RAILWAY, Lincoln, NE
BNPC	CHINA BAOTOU NORTH RAILROAD PRODUCT COMPANY LTD.
BS	Bethlehem Steel Corporation - Johnstown, PA
BSB	British Steel, Templebrough Works, England (No Longer in Production)
BST	British Steel, Trafford Park Works, England (No Longer in Production)
CAF	Construcciones y Auxiliar de Ferrocarriles (CAF), Beasain, Spain
CBOO	CARIBOO CHROME & HYDRAULICS, Prince George, BC
CHT	Jinxi Axle Company LTD. (Formerly Norinco Jinxi), Taiyuan, Shanxi Province, P.R.C
CNPG	CN RAIL, Prince George, BC
CNRC	CNR Changchun Railway Vehicle Facilities Co.,Ltd., Jilin Province, China
CNTO	CN RAIL, Concord, ON Canada
CNW	CN TRANSCONA MAIN SHOPS, Winnipeg, MB Canada
CO	Cobrasma, Brazil (No Longer in Production)
CPS	CPS ENERGY, San Antonio, TX
CPWW	Canadian Pacific
CYRT	CSR Yangtse Rolling Stock Co. Ltd., Tongling City, Anhui Province PRC
DDAP	DDAP/RAX, Dneprderzhinsk, Ukraine
DSS	JSC Dnepropetsstal, Zaporozhye (DSS) Zaporozhye Ukraine
GELS	GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.
GNCF	GUNDERSON CONCARRIL S.A. de C.V.
GRSM	GREENBRIER RAIL SERVICES - MACON, GA
GUAR	GREENBRIER RAIL SERVICES - PINE BLUFF, AR
GUN	GUNDERSON, LLC, Portland,OR
GUNW	GREENBRIER RAIL SERVICES - Tacoma, WA
HM	Huta Gliwice-Osie Sp. zo.o, Gliwice, Poland (No Longer in Production)
HUWP	Huta L. W. (Formerly Lucchini Poland), Warsaw, Poland (No Longer in Production)
IND	Rail Wheel Factory Indian Railways Yelahanka, Bagalore, India
JA	Bethlehem Steel Corporation, Johnstown, PA (No Longer in Production)
JAW	Standard Forged Products Johnstown PA
KLK	Klockner, West Germany (No Longer in Production)
LI	LONG ISLAND RAILROAD, Hollis, NY
MAM	Makrotek, Mexico (No Longer in Production)
MAST	Baowu Group Masteel Rail Transit Materials Technology Company Limited
MMA	MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME
MRF	STANDARD FORGED PRODUCTS, McKees Rocks, PA
MSA	MWL Rodas & Eixos LTDA (Formerly Mafersa), Cacapavz, Sao Paulo, Brazil
MWSC	GREENBRIER RAIL SERVICES - SAN BERNARDINO, CA
MWSI	GREENBRIER RAIL SERVICES - CHICAGO HEIGHTS, IL
MWSK	GREENBRIER RAIL SERVICES - KANSAS CITY, KS
MWSM	MERIDIAN WHEEL SERVICES
MWSP	GREENBRIER RAIL SERVICES - LEWISTOWN, PA
MWST	GREENBRIER RAIL SERVICES - CORSICANA, TX
NACA	NATIONAL ALABAMA CORPORATION
NRC	NRE - WHEELWORKS, Milwaukee, WI
NSC	NATIONAL STEEL CAR, Hamilton, ON
NTDU	PJSC INTERPIPE NIZHNEDNEPROVSKY TUBE ROLLING PLANT DNEPRO DNEPROPETROVSK REGION
NTSK	NEWTEC RSI CO., Seoul, Korea

Value	Description
NYC	NEW YORK CITY TRANSIT, Brooklyn, NY
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON
ORS	ORX RAILWAY CORPORATION, Tipton, PA
OSW	Nippon Steel & Sumitomo Metal Corporation
PMCB	PENN MACHINE COMPANY, Blairsville, PA
PRBA	PROGRESS RAIL SERVICES
PRLK	PROGRESS RAIL SERVICES, Louisville, KY
PRLU	LugCentroKuZ, Lugansk, Ukraine
PRSC	PROGRESS RAIL SERVICES, Jackson, SC
PRSK	PROGRESS RAIL SERVICES, Louisville, KY
PRSN	PROGRESS RAIL SERVICE, Sidney, NE
PRTX	PROGRESS RAIL SERVICES, Waskom, TX
PRWW	PROGRESS RAIL TRANSCANADA, Winnipeg, Manitoba
PRXC	PROGRESS RAIL, Mojave, CA
PRXI	PROGRESS RAIL SERVICES, East Chicago, IN
PVLN	PROGRESS VANGUARD, Lincoln, NE
PVMQ	PROGRESS RAIL TRANSCANADA, Lachine, PQ
PYSC	PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V.
QRRC	Qiqihar Railway Rolling Stock Ltd., Qiqihar, P.R.C.
RIOO	RONSCO INCORPORATED, Oakville, ON
RW	R&W MACHINE DIVISION, Bedford Park, IL
SF	Standard Forgings (No Longer in Production)
SFSI	Scot Forge, Clinton, Wisconsin (No Longer in Production)
SMI	Sumitomo Metal Industries LTD. Osaka, Japan
SRQC	SAGUENAY RAILWAY, Jonquiere, PQ
SS	STANDARD STEEL, Burnham, PA
STR	SPRINGFIELD TERMINAL RAILWAY, Waterville, ME
SWA	SWASAP Works, Germiston, South Africa
TER	Lucchini Sidermeccanica SpA (Formerly Temi), Lovere, Italy
THMC	Taiyuan Heavy Industry CO., LTD, Taiyuan, Shanxi Province, P.R.C
TITX	STANDARD FORGED PRODUCTS, Dallas, TX
TMMX	TRINITY NORTH AMERICA FREIGHT CAR, Monclova, Coahuila
TT	TEXAS TANK CAR WORKS, San Angelo, TX
TWL	Hawker Siddeley, Trenton Canada (No Longer in Production)
UFCR	Ural Forge, Chebarkul, Russia
USF	United States Steel Corp. Fairfield Works (No Longer in Production)
USH	United States Steel Corp. Homestead Works (No Longer in Production)
USI	United States Steel Corp. Gary Works (No Longer in Production)
USM	US AXLE CORPORATION
UTC	UTC/RAS, Morton, PA
UTGM	CALDER UTC RAIL S.A. de C.V. á MARKETING INDUSTRIAL, S.A. de C.
UVZR	OJSC "RPC" "URALVAGONZAVOD", Vostochnoye Shosee, Nizhny Tagil Russia
V	Valdunes (formerly Creusot-Loire) Valenciennes France
WCNG	Baotou, Inner Mongolia PRC
WWCA	WHEELWORX, Calera, AL
ZDB	Bonatrans a.s. (Formerly ZAD), Bohumin, Czech Republic

**Validation Rules:**

- Axle AAR facility code is required for new or reconditioned axles

---

**Wheelset\_C304****Element Name:**

Axle Manufacture Timestamp (●)

**Data Type:** Timestamp**Data Length:** 20**Description:**

Date and time that identifies the month, day and year when the roller bearing was most recently manufactured or reconditioned. Stamped on end of axle. Use actual day if given, otherwise use 1st of the month.

**Validation Rules:**

- Axle manufacture date can't be after today.

---

**Wheelset\_C305****Element Name:**

Axle Nominal Diameter (●)

**Data Type:** Numeric**Data Length:** 3**Description:**

Expression representing the axle journal diameter associated with the axle in inches

**Valid Values:**

Value	Description
5.0	5 inch Diameter
5.5	5.5 inch Diameter
6.0	6 inch Diameter
6.5	6.5 inch Diameter
7.0	7 inch Diameter

**Validation Rules:**

- Axle nominal diameter must match bearing nominal diameter

---

**Wheelset\_C306****Element Name:**

Axle Nominal Length (●)

**Data Type:** Numeric**Data Length:** 4**Description:**

Expression representing the axle journal length associated with the axle in inches

**Valid Values:**

Value	Description
8.0	8 inch Length
9.0	9 inch Length
10.0	10 inch Length
11.0	11 inch Length
12.0	12 inch Length

**Validation Rules:**

- Axle nominal length must match bearing nominal length
- Axle nominal diameter of 5.5 requires a nominal length of 10.0
- Axle nominal diameter of 6.0 requires a nominal length of 8.0 or 11.0
- Axle nominal diameter of 6.5 requires a nominal length of 9.0 or 12.0
- Axle nominal diameter of 7.0 requires a nominal length of 9.0 or 12.0

---

**Wheelset\_C307****Element Name:**

Axle AAR Condition Code (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Axle condition code

**Valid Values:**

Value	Description
1	New
2	Secondhand
3	Reconditioned

---

**Wheelset\_C308****Element Name:**

Axle Serial Number and Heat ID

**Data Type:** Text**Data Length:** 25**Description:**

Serial number, stamped into the axle by the axle manufacturer combined with the heat identification number. Applies to new axles only.

**Validation Rules:**

- Axle serial number and heat id is required for new axles

---

**Wheelset\_C309****Element Name:**

Axle AAR Type (●)

**Data Type:** Text**Data Length:** 4**Description:**

Indicator of axle as Raised Wheel Seat (RWS), for freight, or other types for passenger and locomotives.

---

**Wheelset\_C310****Element Name:**

Axle Grade (●)

**Data Type:** Numeric**Data Length:** 1**Description:**

Axle grade of steel based upon heat treatment - per M101 (F, G, and H currently) - previously called Axle classification.

**Valid Values:**

Value	Description
F	Grade F, Double Normalized and Tempered
G	Grade G, Quenched and Tempered
H	Grade H, Normalized Quench and Tempered

---

**Wheelset\_C313****Element Name:**

Axle Body Design (●)

**Data Type:** Text**Data Length:** 3**Description:**

Description of axle design between wheel seats as standard tapered axle or wider, cylindrical design. Use in determination of "Premium" wheelset status.

**Valid Values:**

Value	Description
D	D Axle Body Design
E	E Axle Body Design
F	F Axle Body Design
F+	F+ Axle Body Design
G	G Axle Body Design
K	K Axle Body Design
K+	K+ Axle Body Design
L	L Axle Body Design
M	M Axle Body Design

**Validation Rules:**

- Axle body design d must have nominal diameter of 5.5 and nominal length of 10
- Axle body design e must have nominal diameter of 6.0 and nominal length of 11
- Axle body design f or f+ must have nominal diameter of 6.5 and nominal length of 12
- Axle body design g must have nominal diameter of 7.0 and nominal length of 12
- Axle body design k or k+ must have nominal diameter of 6.5 and nominal length of 9
- Axle body design l must have nominal diameter of 6.0 and nominal length of 8.0
- Axle body design m must have nominal diameter of 7.0 and nominal length of 9



---

## Wheelset\_C314

**Element Name:**

Axle Plating

**Data Type:** Text**Data Length:** 8**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

**Valid Values:**

Value	Description
1	Dust Guard Plating
2	Seal Wear Ring Groove Plating

---

## Wheelset\_C315

**Element Name:**

AAR Extended Axle Codes

**Data Type:** Text**Data Length:** 8**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

---

## Wheelset\_C316

**Element Name:**

Int Extended Axle Codes

**Data Type:** Numeric**Data Length:** 8**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

Int Extended Axle Codes are based on S-920 in AAR Manual of Standards and Recommended Practices.

---

**PRVALVE\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

Value	Description
Y	Yes

---

**PRVALVE\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

---

**PRVALVE\_D101****Element Name:**

PRV Condition Code (●)

**Data Type:** Text**Data Length:** 1**Description:**

Code 1 - A new pressure relief valve that has been assembled or manufactured, and qualified by a C4a / C4m tank car facility having service equipment code "S".

Code 3 - A pressure relief valve that has been maintained and qualified by a C5 tank car facility having service equipment code "S".

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

**Valid Values:**

Value	Description
1	New
3	Reconditioned

---

**PRVALVE\_D102****Element Name:**

AAR Tank Car Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

4 alpha characters max, no leading spaces. The unique identifier assigned by the AAR to a C4a, C4m, or C5 tank car facility performing the activity for this registration event. This is the M-1003 QA Code and is synonymous with M-1002 Station Stencil.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

**Valid Values:**

Value	Description
AAST	Crossbridge Compliance LLC - Longview
ACAP	ACF Industries, LLC - Milton
ADM	ADM Railcar Repair
ADMI	Archers Daniel Midland Railcar Repair - Cedar Rapids
ANDR	The Andersons, Inc.- Maumee
ANKM	The Andersons, Inc. - Kansas City
APRT	Appalachian Tank Car Services, Inc. - Kingsport
ARIB	American Railcar Industries - Bude
ARIC	ARI Fleet Services of Canada, Inc. - Sarnia
ARIF	American Railcar Industries - Point Comfort
ARIH	American Railcar Industries - La Porte
ARIJ	American Railcar Industries - Jackson
ARIL	American Railcar Industries - Longview
ARIM	American Railcar Industries - Brookhaven
ARIN	American Railcar Industries - N. Kansas City
ARIT	American Railcar Industries -Tennille
ARIZ	American Railcar Industries - Gonzales
ARS	Alabama Railcar Services, Inc. - Ozark
ARSA	The Apache Railway Company
ARTC	American Railcar Industries - Keenesburg
ATST	Alpha Technical Services Corporation
BCHT	Bray Controls USA
BMBC	Brunette Machinery Company - Prince George
BRBT	Beauchan Rail Services Repair
BRMD	Appalachian Tank Car Services, Inc. - Elk Mills
BRS	Appalachian Tank Car Services, Inc.- Lynchburg
BRWV	Appalachian Tank Car Services, Inc. - Hinton
BWS	BW Services - Westlake
BWSI	Eagle Railcar Services - Washington
BWST	BW Services - Angleton
BYU	Bayou Railcar Services, LLC - Holden
CAD	CAD Railway Industries - Lachine
CGMJ	GATX Rail Canada Corporation - Moose Jaw
CGMQ	GATX Corporation - Montreal
CGRD	GATX Corporation - Red Deer
CGSO	GATX Rail Canada Corporation - Sarnia Service Center - Corunna
CICS	Conbraco Industries, Inc.
CTI	Caltrax, Inc. - Calgary
CVAT	Cryogenic Vessel Alternatives, Inc.

Value	Description
DC	Dana Railcare
DEWR	Dixon Eagle
DGBN	Dakota Gasification Company
ECEN	Engineered Controls International, LLC
ECSI	Economy Coating Systems, Inc. - Camanche
EFDN	Equipos Ferroviarios del Norte, S.A. de C.V.
EFDS	Equipos Ferroviarios del Sureste, S.A de C.V.
ERSR	Eagle Railcar Services - Roscoe
ERST	Eagle Railcar Services - Elkhart
ERSW	Eagle Railcar Services - Wichita Falls
EWPW	ERCO Worldwide (USA) Inc.
FFCW	First Flare and Repair, LLC
FRAL	Frit Railcar - Brewton
FRCO	Watco Mechanical Services - Omaha
FRNC	Frit Car, Unc. - Bridgeton
FRS	Watco Mechanical Services - Fitzgerald
FVEK	Fort Vale Engineering Ltd.
FWMP	Foradora Welding & Machining, Inc.
GACA	GATX Corporation - Colton
GACO	GATX Corporation - Claremore
GAEC	Watco Mechanical Services - Crown Point
GAFT	GATX Corporation - Freeport
GAGA	GATX Corporation - Waycross
GAGL	GATX Corporation - Geismar
GAGP	GATX Corporation - Galena Park
GAHT	GATX Corporation - Hearne
GAKK	Watco Mechanical Services - Kansas City
GALF	GATX Corporation - Lakeland
GAML	GATX Corporation - Minden
GAPT	GATX Corporation - Plantersville
GATI	GATX Corporation - Terre Haute
GATL	GATX Corporation - Donaldsonville
GATW	Watco Mechanical Services - Tumwater
GEAR	UTC Railcar Repair Services LLC - Texarkana
GERS	Procor Railcar Repair Services - Regina
GESP	UTC Railcar Repair Services LLC - Sayre
GEWI	UTC Railcar Repair Services LLC - Waterloo
GIRA	Girard Equipment, Inc.
GRAK	Greenbrier Rail Services - Atchison
GRSF	Greenbrier Rail Services - Finley
GRSO	Greenbrier Rail Services - Omaha
GSW	Greenbrier Rail Services - Cleburne
GTDP	Gasbarre Technologies
HCCP	H.C. Chandler & Son, Inc.
HMPL	Hayes Manufacturing Company, Inc. - Pineville
HMWA	Hammond Machine Works, Inc. - Addison
HMWI	Hammond Machine Works, Inc. - Hammond
JBUR	Metso Flow Control USA, Inc.
KJTT	Kong Jih Valve Industrial Co. Ltd
KTBT	Kelso Technologies, USA, Inc.
KTMI	Korea Total Marine Innovation Co., Inc.
MMCS	Midland Manufacturing
MRCs	Marsh Rail Car Services, Inc. - St. Peters

Value	Description
MRH	Watco Mechanical Services - Hollidaysburg
MRN	Watco Mechanical Services - Neodesha
MRS	Watco Mechanical Services - Scottsville
MRT	Watco Mechanical Services - Hockley
MRZ	Watco Mechanical Services - Zwolle
MVMT	McKenzie Valve & Machining, LLC
MWR	Midwest Railcar Repair, Inc.
OLCT	Olin Corporation - Charleston
OLMC	Olin Corporation - McIntosh
OPWL	OPW Engineered Systems
OSDI	Oertel Metal Works, Inc
OTMT	On-Track Properties, Inc.- Montgomery
OWSP	OWS Railcar Inc.
PENT	Emerson Automation Solutions Final Control US LP
PRAT	Progress Rail Services - Amarillo
PRE	Procor Limited - Edmonton
PRJA	Procor Limited - Joffre
PRNV	Procor Limited - North Vancouver
PRO	Procor Limited - Oakville
PRPL	Prokar, Inc. - Plaquemine
PRR	Procor Limited - Regina
PRRK	Progress Rail Services - Raceland
PRS	Procor Limited - Sarnia
PRSO	Procor Limited - Lambton (Sarnia)
RCBT	Rescar Companies, Inc. - Borger
REBF	Rescar Companies, Inc. - Bartow
REBN	Rescar Companies, Inc. - Blair
REBO	Rescar Companies, Inc. - Boron
REBT	Rescar Companies, Inc. - Beaumont
REBX	Rescar Companies, Inc. - Cedar Bayou
RECH	Rescar Companies, Inc. - Channahon
RECL	Rescar Companies, Inc. - Clear Lake
RECP	Rescar Companies, Inc. - Pocatello
RECT	Rescar Companies, Inc. - Channelview
RECV	Rescar Companies, Inc. - Channelview
REDA	Rescar Companies, Inc. - Decatur
REDP	Rescar Companies, Inc. - DuBois
REGG	Rescar Companies, Inc. - Gordon
REGS	Rescar Companies, Inc. - Gaston
REIA	Rescar Companies, Inc. - Lakota
REIL	Rescar Companies, Inc. - Sauget
REKT	Rescar Companies, Inc. - Kingsport
RELE	Rescar Companies, Inc. - Longview (Plant 550)
RELT	Rescar Companies, Inc. - Longview (Plant 110)
REMN	Rescar Companies, Inc. - Mandan
REMO	Rescar Companies, Inc. - Minerva
RENF	Rescar Companies, Inc. - Niagara Falls
RENW	Rescar Companies, Inc. - New Martinsville
REOT	Rescar Companies, Inc. - Orange
REPP	Rescar Companies, Inc. - Soda Springs
RERM	Rescar Companies, Inc. - Rosemount
RESB	Rescar Companies, Inc. - Bishop
RESC	Rescar Companies, Inc. - North Charleston

Value	Description
RESG	Rescar Companies, Inc. - Gramercy
RESI	Rescar Companies, Inc. - Savanna
RESM	Rescar Companies, Inc. - Springfield
RETT	Rescar Companies, Inc. - Texas City
REWK	Rescar Companies, Inc. - Wichita
REWO	Rescar Companies, Inc. - Woodward
REWS	Rescar Companies, Inc. - White Springs
RIGA	Rescar Companies, Inc. - Riga
RIMT	Runyon Industries, Inc. - Memphis
RRSQ	Ronsco Inc. - Coteau du Lac
RSI	Railcar Services, Inc. - Calvert City
SILL	Setpoint Integrated Solutions, Inc.
SIRO	Eagle Railcar Services - Cairo
SRCO	Trinity Rail Maintenance Services, Inc. - Hugo
SRSH	Safety Railway Service, L.P. - Houston
SRSK	Safety Railway Service, L.P. - Knox
SRSL	Safety Railway Service, L.P. - Belle Chasse
SRSO	Safety Railway Service, L.P. - Orange
SRSS	Safety Railway Service, L.P. - Geismar
SRST	Safety Railway Service, L.P. - New Johnsonville
SRSV	Safety Railway Service, L.P. - Victoria
SRSY	Safety Railway Service, L.P. - Louisville
SSLT	Southwest Steel Casting Company
SVSI	Southern Valve Service, Inc.
TECH	Transitech, Inc. - Fordyce
TERG	Talleres de Equipo Rodante del Baj?o, S.A. Irapuato
TETX	Texana Tank Car and Manufacturing, LTD.
TIGC	TransRail Innovation Group
TIJA	Trinity Rail Maintenance Services, Inc. - Jonesboro
TLPT	Tank Lining of Paris, Inc.
TMC	TMC Engineering Services - Houston
TMMX	Trinity Rail de Mexico, S. de R.L. de C.V. - Frontera
TMTT	Texana/Midway Tank Cleaning Facility
TRAF	Transco Railway Products, Inc. - Newton Falls
TRAM	Transco Railway Products, Inc. - Miles City
TRAO	Transco Railway Products, Inc. - Oelwein
TRAS	Transco Railway Products, Inc. - Sioux City
TXIX	Trinity Tank Car, Inc. - Longview (Plant 19)
TXXV	Trinity Rail Maintenance Services, Inc.
UTBI	Union Tank Car Company - Bedford Park
UTBR	Union Tank Car Company - Baton Rouge (Plant 123)
UTBT	Union Tank Car Company - Baytown 1
UTCC	Union Tank Car Company - Catlettsburg
UTCG	Union Tank Car Company - Valdosta
UTCH	Union Tank Car Company - South Chareleston
UTCI	Union Tank Car Company - Muscatine
UTCK	Union Tank Car Company - El Dorado
UTCL	Union Tank Car Company - Ville Platte
UTCO	Union Tank Car Company - Marion (Plant 121)
UTCP	Union Tank Car Company - Altoona
UTCT	Union Tank Car Company - Cleveland
UTCW	Union Tank Car Company - Evanston
UTDT	Union Tank Car Company - Deer Park

Value	Description
UTEC	Union Tank Car Company - East Chicago
UTFA	Union Tank Car Company - Scio
UTFT	Union Tank Car Company - Freeport
UTGL	Union Tank Car Company - Geismar
UTGP	Union Tank Car Company - Galena Park (Plant 135)
UTGT	Union Tank Car Company - Galena Park (Plant 178)
UTHT	UTLX Manufacturing, LLC - Houston (Plant 6)
UTLA	Union Tank Car Company - Alexandria
UTMG	Union Tank Car Company - McIntyre
UTMM	Union Tank Car Company - Midland
UTMP	Union Tank Car Company - Chester
UTMT	UTLX Manufacturing, LLC - Houston (Plant 10)
UTMX	UTLX Soporte Empresarial, S.A de C.V
UTPT	Union Tank Car Company - Plaquemine
UTRT	Union Tank Car Company - Baton Rouge (Plant 122)
UTSC	Union Tank Car Company - Stockton
UTTT	Union Tank Car Company - Taft
UTTX	Union Tank Car Company - Texas City
VERM	Vertex Railcar Corporation
VSSO	VIP Rail ULC
WATH	Watco Mechanical Services - Houston
WMCK	Watco Mechanical Services - Coffeyville
WSCS	Watco Supply Chain Services - Richmond
WTHT	Watco Switching Services - Houston
WWMP	WW Metal Products, Inc.

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## PRVALVE\_D103

**Element Name:**

Original Manufacturer (MFG) Facility Code (●)

**Data Type:** Text**Data Length:** 4**Description:**

4 alpha characters max, no leading spaces. Preserves the unique identifier assigned by the AAR to the original C4a or C4m tank car facility. This is the M-1003 QA Code and is synonymous with M-1002 Station Stencil.

This data element is stamped or etched onto the body name plate.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

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## PRVALVE\_D104

**Element Name:**

PRV Base Model Number (●)

**Data Type:** Text**Data Length:** 14**Description:**

14 characters max (alpha, numeric, & symbols), no leading spaces. The model number generated and defined by the C4a or C4m tank car facility that correlates to the AAR design approval.

This data element is stamped or etched onto the body name plate.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

**Valid Values:**

Value	Description
HP1128	AMFX – American Railcar
HP1108	AMFX – American Railcar
1108	AMFX – American Railcar
1118	AMFX – American Railcar
1128	AMFX – American Railcar
1148	AMFX – American Railcar
A8890S	ECEN - Rego
VA8890S	ECEN - Rego
VSA89890S	ECEN - Rego
NA8890S	ECEN - Rego
EA8890S	ECEN - Rego
A8434F	ECEN - Rego
A8434FA	ECEN - Rego
NA8434F	ECEN - Rego
VA8434F	ECEN - Rego
OR4/B07500130A	FVEK - Fort Vale Engineering Ltd.
OR4/B07500130B	VEK - Fort Vale Engineering Ltd.
OR4/G07500130A	VEK - Fort Vale Engineering Ltd.
OR4/G07500130B	VEK - Fort Vale Engineering Ltd.
OR4/S07500130B	VEK - Fort Vale Engineering Ltd.
OR4/W07500130B	VEK - Fort Vale Engineering Ltd.
OR4/007500130B	VEK - Fort Vale Engineering Ltd.
OR4/107500130A	VEK - Fort Vale Engineering Ltd.
OR4/107500130B	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
OR4/407500130B	VEK - Fort Vale Engineering Ltd.
OR4/907500130A	VEK - Fort Vale Engineering Ltd.
OR3/B075006T	VEK - Fort Vale Engineering Ltd.
OR3/B165006R	VEK - Fort Vale Engineering Ltd.
OR3/B165006T	VEK - Fort Vale Engineering Ltd.
OR3/D075006V	VEK - Fort Vale Engineering Ltd.
OR3/E075006R	VEK - Fort Vale Engineering Ltd.
OR3/G075006R	VEK - Fort Vale Engineering Ltd.
OR3/G075006S	VEK - Fort Vale Engineering Ltd.
OR3/G075006V	VEK - Fort Vale Engineering Ltd.
OR3/G165006R	VEK - Fort Vale Engineering Ltd.
OR3/G165006V	VEK - Fort Vale Engineering Ltd.
OR3/J165006R	VEK - Fort Vale Engineering Ltd.
OR3/S075006R	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
OR3/S165006R	VEK - Fort Vale Engineering Ltd.
OR3/T165006R	VEK - Fort Vale Engineering Ltd.
OR3/W075006T	VEK - Fort Vale Engineering Ltd.
OR3/W075006V	VEK - Fort Vale Engineering Ltd.
OR3/W165006R	VEK - Fort Vale Engineering Ltd.
OR3/0075006T	VEK - Fort Vale Engineering Ltd.
OR3/0075006V	VEK - Fort Vale Engineering Ltd.
OR3/0075046R	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
OR3/0165006T	VEK - Fort Vale Engineering Ltd.
OR3/0165007V	VEK - Fort Vale Engineering Ltd.
OR3/0165007T	VEK - Fort Vale Engineering Ltd.



OR3/1075006R	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
OR3/1075006V	VEK - Fort Vale Engineering Ltd.
OR3/1165006R	VEK - Fort Vale Engineering Ltd.
OR3/1165006V	VEK - Fort Vale Engineering Ltd.
OR3/4165006T	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
OR3/9165006R	VEK - Fort Vale Engineering Ltd.
OU3/P165006A	VEK - Fort Vale Engineering Ltd.
OU3/P165006J	VEK - Fort Vale Engineering Ltd.
OU3/P165006R	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
HR3/K165006T	VEK - Fort Vale Engineering Ltd. VEK - Fort Vale Engineering Ltd.
HR3/O165006T	VEK - Fort Vale Engineering Ltd.
RR-407	GIRA – Girard Equipment, Inc.
5.5 RR HIFLOW	GIRA – Girard Equipment, Inc.
JS75-516	KTBT – Kelso Technologies, USA, Inc.
JS75S-316	KTBT – Kelso Technologies, USA, Inc.
JS75S-304	KTBT – Kelso Technologies, USA, Inc.
JS75H-516	KTBT – Kelso Technologies, USA, Inc.
JS75HS-316	KTBT – Kelso Technologies, USA, Inc.
JS75HS-304	KTBT – Kelso Technologies, USA, Inc.
JS75L-516	KTBT – Kelso Technologies, USA, Inc.
JS75LS-316	KTBT – Kelso Technologies, USA, Inc.
JS75LS-304	KTBT – Kelso Technologies, USA, Inc.
JS75LT-516	KTBT – Kelso Technologies, USA, Inc.
JS75LTS-316	KTBT – Kelso Technologies, USA, Inc.
JS75LTS-304	KTBT – Kelso Technologies, USA, Inc.
JS165LT-516	KTBT – Kelso Technologies, USA, Inc.
JS165LTS-316	KTBT – Kelso Technologies, USA, Inc.
JS165LTS-304	KTBT – Kelso Technologies, USA, Inc.
JS165L-516	KTBT – Kelso Technologies, USA, Inc.
JS165LS-316	KTBT – Kelso Technologies, USA, Inc. KTBT – Kelso Technologies, USA, Inc.
JS165LS-304	KTBT – Kelso Technologies, USA, Inc.
JS165H-516	KTBT – Kelso Technologies, USA, Inc.
JS165HS-316	KTBT – Kelso Technologies, USA, Inc.
JS165HS-304	KTBT – Kelso Technologies, USA, Inc.
JS75XH-516	KTBT – Kelso Technologies, USA, Inc.
JS75XHS-316	KTBT – Kelso Technologies, USA, Inc.
JS75XHS-304	KTBT – Kelso Technologies, USA, Inc.
JS75XL-516	KTBT – Kelso Technologies, USA, Inc.
JS75XLS-316	KTBT – Kelso Technologies, USA, Inc.
JS75XLS-304	KTBT – Kelso Technologies, USA, Inc.
PC330H-516	KTBT – Kelso Technologies, USA, Inc.
PC330HS-316	KTBT – Kelso Technologies, USA, Inc.
PC330HS-304	KTBT – Kelso Technologies, USA, Inc.
PC280.5H-516	KTBT – Kelso Technologies, USA, Inc.
PC280.5HS-316	KTBT – Kelso Technologies, USA, Inc.
PC280.5HS-304	KTBT – Kelso Technologies, USA, Inc.
A-3700 SERIES	MMCS – Midland Manufacturing
A-14452, A-14495, A-14497	MCS – Midland Manufacturing
A-3500 SERIES	MCS – Midland Manufacturing
A-14228, A-14378	MCS – Midland Manufacturing
A-37000-XS	MCS – Midland Manufacturing

A-1402C SERIES	MCS – Midland Manufacturing
A-1402 SERIES	MCS – Midland Manufacturing
A-1400-T SERIES (A-14150-T THRU A-14499-T)	MCS – Midland Manufacturing
A-15000-T SERIES (A-15300-T THRU A-15454-T)	MCS – Midland Manufacturing
A-1400 SERIES	MCS – Midland Manufacturing
A-35000-XL SERIES	MCS – Midland Manufacturing
A-1400-KY SERIES	MCS – Midland Manufacturing
A-3200 SERIES	MCS – Midland Manufacturing
A-1700-T SERIES	MCS – Midland Manufacturing
A-1700 SERIES	MCS – Midland Manufacturing
A-1000 SERIES	MCS – Midland Manufacturing
A-1403, A-1406 SERIES	MCS – Midland Manufacturing
A-17169-S01	MCS – Midland Manufacturing
A-2000 SERIES (A-2035 THRU A-2169)	MCS – Midland Manufacturing
A-1076 SERIES	MCS – Midland Manufacturing
A-2000 SERIES (A-2095, A-2099)	MCS – Midland Manufacturing
A-22075 SERIES	MCS – Midland Manufacturing
A-3400 SERIES	MCS – Midland Manufacturing
A-19075	MCS – Midland Manufacturing
A-1281	MCS – Midland Manufacturing
A-1700-TU, A-1700-U SERIES	MCS – Midland Manufacturing

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## PRVALVE\_D105

**Element Name:**

Manufacturer Part Number (Original)

**Data Type:** Text**Data Length:** 30**Description:**

30 characters max (alpha, numeric, & symbols) no leading spaces. The part number is generated and defined by the C4a or C4m tank car facility that correlates to the AAR design approval..

**PRVALVE\_D106****Element Name:**

Body Material (●)

**Data Type:** Text**Data Length:** 32**Description:**

32 characters max (alpha, numeric) no leading spaces. The valve body material (primary wetted) used by the C4a or C4m tank car facility that correlates to the AAR design approval.

This field must be reported by the C4a or C4m tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

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**PRVALVE\_D107****Element Name:**

PRV Serial Number

**Data Type:** Numeric**Data Length:** 16**Description:**

16 characters max, no leading spaces.

If the PRV was manufactured after December 31, 2003, a Serial Number will be defined and generated by the C4a or C4m tank car facility. This data element is stamped or etched onto the body name plate.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

---

**PRVALVE\_D108****Element Name:**

PRV Built Month

**Data Type:** Numeric**Data Length:** 2**Description:**

This is a 2-character date stamp with format MM.

If PRV was manufactured prior to December 31, 2003 (before serialization), the month and year of manufacture or retest shall be entered in lieu of a serial number. This data is stamped or etched on the body nameplate.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

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**PRVALVE\_D109****Element Name:**

PRV Built Year

**Data Type:** Numeric**Data Length:** 4**Description:**

This is a 4-character date stamp with format MM.

If PRV was manufactured prior to December 31, 2003 (before serialization), the month and year of manufacture or retest shall be entered in lieu of a serial number. This data is stamped or etched on the body nameplate.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

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**PRVALVE\_D110****Element Name:**

PRV Set Pressure (Design Nominal) (●)

**Data Type:** Numeric**Data Length:** 5**Description:**

5 numeric characters max (including decimal), no leading spaces.

This data element is stamped or etched onto the body name plate based on the AAR design approval.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

Value	Description
15	15 PSI
25	25 PSI
30	30 PSI
35	35 PSI
45	45 PSI
75	75 PSI
100	100 PSI
115	115 PSI
150	150 PSI
165	165 PSI
225	225 PSI
247.5	247.5 PSI
255	255 PSI
280.5	280.5 PSI
300	300 PSI
330	330 PSI
375	375 PSI
450	450 PSI
500	550 PSI

---

**PRVALVE\_D111****Element Name:**

AAR Approval Number (●)

**Data Type:** Text**Data Length:** 11**Description:**

11 characters max, alpha-numeric, no leading spaces.

The Approval Number (original or renewal) is assigned by the AAR and is valid for 10 years. This must be the current approval number as recorded on either the AAR form 4-3 or 4-7.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

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**PRVALVE\_D112****Element Name:**

AAR Service Trial Number (●)

**Data Type:** Text**Data Length:** 8**Description:**

8 characters max, alpha-numeric, no leading spaces. May be blank if no service trial.

The Service Trial number is assigned by the AAR for an in-service evaluation of a PRV for a defined period of time.

This must be the service trial number as recorded on either the AAR forms 4-3, 4-4, 4-6 and/or 4-7.

This field must be reported by the C4a or C4m tank car facility and be included in the component registration data sent to Railinc for only pressure relief valves assigned to an AAR service trial.

---

**PRVALVE\_D113****Element Name:**

PRV Qualification Date (As Tested) (●)

**Data Type:** Numeric**Data Length:** 10**Description:**

10-character date stamp with format YYYY-MM-DD on which the PRV was physically tested and qualified by the C4a, C4m or C5 tank car facility.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

---

**PRVALVE\_D114****Element Name:**

PRV Start-to-Discharge Pressure (As Tested) (●)

**Data Type:** Numeric**Data Length:** 6**Description:**

6 numeric characters max, no leading spaces. This element must show the measured start-to-discharge pressure of the PRV tested and must be within the tolerance for the given set pressure in 49 CFR Part 179.15(b)(5).

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

---

**PRVALVE\_D115****Element Name:**

PRV Vapor Tight Pressure (As Tested) (●)

**Data Type:** Numeric**Data Length:** 6**Description:**

6 numeric characters max, no leading spaces. This element must show the measured vapor-tight pressure of the PRV tested and must be within the tolerance for the given set pressure.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

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**PRVALVE\_D116****Element Name:**

O-Ring Material (●)

**Data Type:** Text**Data Length:** 40**Description:**

40 alpha-numeric characters max, no leading spaces. This element describes the material composition / type of the new elastomeric seals applied (primary wetted).

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

Value	Description
BLACK NEOPRENE	BLACK NEOPRENE
BUNA-N	BUNA-N
BUNA-N A	BUNA-N A
BUNA-N FOOD GRADE	BUNA-N FOOD GRADE
BUNA-NLT	BUNA-NLT
BUNA-S	BUNA-S
BUTYL	BUTYL

Value	Description
CAROLINA	CAROLINA
CEP (CAROLINA SEAL EP787)	CEP (CAROLINA SEAL EP787)
CHEMRAZ	CHEMRAZ
CHEMRAZ 505	CHEMRAZ 505
CS5355 (CAROLINA SEAL 5355)	CS5355 (CAROLINA SEAL 5355)
CSI 4273 (EXXON MOBILE SPEC)	CSI 4273 (EXXON MOBILE SPEC)
CSI 4273A (VITON A)	CSI 4273A (VITON A)
CSI 4273B (VITON B)	CSI 4273B (VITON B)
CSI 5176 (VITON EXTREME ETP)	CSI 5176 (VITON EXTREME ETP)
CSI 5350 (VITON GFS)	CSI 5350 (VITON GFS)
CSI 842 (WHITE NEOPRENE)	CSI 842 (WHITE NEOPRENE)
CSI BN661 (BUNA-N)	CSI BN661 (BUNA-N)
CSI EP787 (EPDM)	CSI EP787 (EPDM)
CVETP (CAROLINA SEAL 5176)	CVETP (CAROLINA SEAL 5176)
EB-165-70	EB-165-70
EPDM	EPDM
EPDM (PEROXIDE CURED)	EPDM (PEROXIDE CURED)
EPDM FOOD GRADE	EPDM FOOD GRADE
EPR FOOD GRADE	EPR FOOD GRADE
ETHYLENE PROPYLENE RUBBER	ETHYLENE PROPYLENE RUBBER
HYPALON	HYPALON
KALREZ	KALREZ
KALREZ 1050	KALREZ 1050
KALREZ 1050 LF	KALREZ 1050 LF
KALREZ 1050 LS	KALREZ 1050 LS
KALREZ 2035	KALREZ 2035
KALREZ 3018	KALREZ 3018
KALREZ 4079	KALREZ 4079
KALREZ 6375	KALREZ 6375
NEOPRENE	NEOPRENE
NITRILE FOOD GRADE	NITRILE FOOD GRADE
POLYURETHANE	POLYURETHANE
SILICONE	SILICONE
SIMRIZ 7295	SIMRIZ 7295
SIMRIZ 7301	SIMRIZ 7301
TEFLON	TEFLON
TEFLON ENCAPSULATED SILICONE	TEFLON ENCAPSULATED SILICONE
TEFLON ENCAPSULATED VITON	TEFLON ENCAPSULATED VITON
VITON	VITON
VITON A	VITON A
VITON A 747	VITON A 747
VITON B	VITON B
VITON ETP	VITON ETP
VITON ETP-S	VITON ETP-S
VITON EXTREME	VITON EXTREME
VITON F	VITON F
VITON G	VITON G
VITON GF	VITON GF
VITON GFLT 600S	VITON GFLT 600S
VITON VG	VITON VG
VITON-A FOOD GRADE	VITON-A FOOD GRADE
WHITE BUNA N	WHITE BUNA A
WHITE NEOPRENE	WHITE NEOPRENE
WHITE NEOPRENE FOOD GRADE	WHITE NEOPRENE FOOD GRADE

**PRVALVE\_D117****Element Name:**

AAR Group

**Data Type:** Numeric**Data Length:** 2**Description:**

2-character max, alpha-numeric, no trailing spaces. Category assigned by AAR based on the design approval of the PRV.

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.



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**CUSHUNIT\_D201****Element Name:**

Condition Code (●)

**Data Type:** Numeric**Data Length:** 1**Description:**

A new cushioning unit is one that has not yet been in service (Code=1). A secondhand cushioning unit is one that has previously been applied but is being applied or reapplied by the car owner or under car owner authority (Code=2). A reconditioned cushioning unit is one that has been through reconditioned per AAR Specification M-921-C (Code=3).

Value	Description
1	New
2	Secondhand
3	Reconditioned

---

**CUSHUNIT\_D202****Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text**Data Length:** 4**Description:**

This is the facility code assigned by the AAR QA committee.

Value	Description
AHO	American Hydraulics, Inc. – Red Oak
KCH	Amsted Rail Company, Inc. – Camp Hill
WAKS	Wabtec Global Services- Kansas City

---

**CUSHUNIT\_D203****Element Name:**

Manufacture Year

**Data Type:** Number**Data Length:** 2**Description:**

This is the manufacture year (YY), required for condition code 1.

---

**CUSHUNIT\_D204****Element Name:**

Manufacture Month

**Data Type:** Number**Data Length:** 2**Description:**

This is the manufacture month (MM), required for condition code 1.

---

**CUSHUNIT\_D205****Element Name:**

Reconditioned Date

**Data Type:** Text**Data Length:** 5**Description:**

This is the reconditioned date stamp (MM/DD), required for condition code 3.

---

**CUSHUNIT\_D206****Element Name:**

Manufacturer (●)

**Data Type:** Text**Data Length:** 3**Description:**

This is the original manufacturer of the cushioning unit.

Value	Description
AHO	American Hydraulics
FMI	Wabtec
KRE	Amsted
EHI	Emerald Hydraulics
DRS	Dresser
TRN	Trinity

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**CUSHUNIT\_D207****Element Name:**

Serial Number (●)

**Data Type:** Text**Data Length:** 15**Description:**

This is the serial number as defined by the manufacturer or reconditioner per M-921.

---

**CUSHUNIT\_D208****Element Name:**

OEM Model Number (●)

**Data Type:** Text**Data Length:** 25**Description:**

The OEM Model Number is the model number that identifies the cushioning unit per the AAR Field Manual Rule 59.

---

**CUSHUNIT\_D209****Element Name:**

AAR Specification (●)

**Data Type:** Text**Data Length:** 6**Description:**

This alpha-numeric field indicates AAR Specification to which the unit was manufactured or reconditioned.

Value
M-921B
M-921D
M-921E
M-921F

---

**CUSHUNIT\_D210****Element Name:**

Travel Length (●)

**Data Type:** Number**Data Length:** 2**Description:**

The maximum travel length, in inches, of the cushioning unit as manufacturer or reconditioned.