

**TIRE CHAIN
SPECIFICATIONS**
Number NACM 92805 (TC)



Adopted September 25, 2005
by the
National Association of Chain Manufacturers
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These specifications supersede and replace Specifications Number 81396 (TC)

National Association of Chain Manufacturers



TIRE CHAIN SPECIFICATIONS

No. NACM - 92805 (TC)

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NATIONAL ASSOCIATION OF CHAIN MANUFACTURERS

TIRE CHAIN SPECIFICATIONS

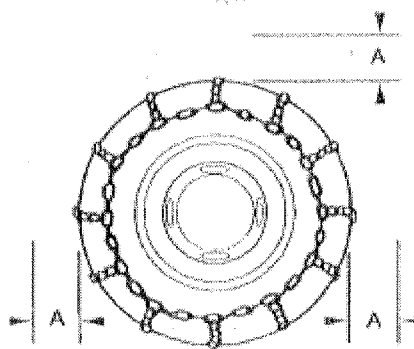
1. SCOPE.

- 1.1. Scope. This specification covers ladder type chain assemblies designed for use on tires that have been manufactured in accordance with the standards of the Tire & Rim Association, Inc., 175 Montrose West Avenue, Suite 150, Copley, Ohio 44321.

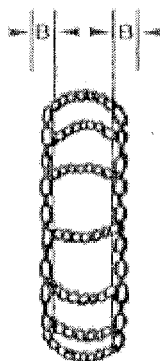
Tire chain assemblies covered by this specification are intended for use as traction devices on passenger car tires, truck tires (single, dual and wide base), off-the-road service tires, and farm tractor tires. Replacement cross chains and other components are intended for repairing tire chain assemblies only.

All passenger and light truck tire chains are for use on vehicles based on SAE classification. SAE J1232, traction device profile determination and classification and SAE J683A – tire chain clearance; trucks; buses, and combination of vehicles.

**TIRE TREAD FACE
MINIMUM CLEARANCE**
Tire Chain



**TIRE SIDEWALL
MINIMUM CLEARANCE**
Tread Face Sidewall



SAE Class "S" Regular (non reinforced) passenger tire traction devices for vehicles with restricted wheel well clearance.

SAE Class "U" Regular (non reinforced) and lug reinforced passenger tire traction devices for vehicles with regular (non-restricted) wheel well clearance.

SAE Class "W" Passenger tire traction devices that use light truck components, as well as some light truck traction devices (non-restricted) wheel well clearance

Types	"A"	"B"
SAE Class "S"	1.46"	.59"
SAE Class "U"	1.97"	.91"
SAE Class "W"	2.50"	1.50"

The minimum clearances specified must be maintained around fenders, struts, brake lines and braces.

The tire chain manufacturer is responsible for compliance to the SAE classification. All dual tire chains specified herein are designed for use on dual tires mounted in accordance with specifications covering their center-to-center spacing as outlined by the NACM Chain clearance charts. Oversize tires, snow tires, special service, or special traction tires, etc., may require chains of a larger size or of a size not specified herein.

- 1.2. Classification. Tire chains described in this specification shall be of the following types as specified:

Reinforced Tire Chains

Type RP – Reinforced Passenger Car Chains
Type RS – Reinforced Single Truck Chains
Type RDT – Reinforced Dual-Triple Truck Chains

SAE Classification

Class "U"
Class "U" or Class "W"
Class "U" or Class "W"

Regular Tire Chains

Type PL – Passenger Car Chains - Restricted Clearances
Type SH – Single Truck Chains
Type SM – Single Truck Chains – Mud Service
Type DTH – Dual Triple Truck Chains
Type DTM – Dual Triple Truck Chains – Mud Service
Type DH – Dual and Wide Base Truck Chains
Type OTR – Off-the-Road Vehicle Chains
Type FTH – Farm Tractor Chains – Highway Service

Class "S"
Class "U" and Class "W"
Class "W"
Class "U" or Class "W"
Class "W"
Class "W"
Not Applicable
Not Applicable

2. APPLICABLE DOCUMENTS.

- 2.1. The following documents, of the issue in effect on date of manufacturer, form a part of this specification to the extent specified herein:

SPECIFICATIONS:

NACM

TC SHEETS TC I-01 to TC 9-02– NACM Tire Chain Specifications Sheets

STANDARDS

ASTM

ASTM E18 – Standard Test Method for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials.

OTHER:

SAE J1232 – Passenger and Light Truck Tire Chain Traction Device Profile Determination & Classification.

SAE J683A – Tire Chain Clearance - Trucks, Buses (Except Suburban, Intercity and Transit Buses), and Combinations of Vehicles.

3. DEFINITIONS.

- 3.1. For purposes of this specification the following definitions shall apply:
- 3.2. Side Chain. Straight link, welded chain of specified length to complete one full circumference along the tire side wall.
- 3.3. Fastener. Any suitable connecting device, secured to one end of a side chain, so constructed that it can be easily closed (engaged or fastened).

3.4. Cross Chain

3.4.1. Reinforced. Twist link, welded chain, carburized, with one or more reinforcements per link consisting of a lug, or lugs, electrically welded to all links except the end links in such a manner as to provide increased traction and additional resistance to abrasive wear. Cross chains shall be of the specified length and shall provide ample drape over the tire tread.

3.4.2. Regular. Twist link, welded chain, carburized, without reinforcements. Cross chains shall be of the specified length and shall provide ample drape over the tire tread.

3.5. Cross Chain Hooks. Hook used to attach each cross chain to the side chains. Hooks shall be constructed and assembled to prevent accidental detachments.

3.6. Pitch. The measured inside length of a chain component (bearing point to bearing point when in use).

4. REQUIREMENTS

4.1. Components. Tire chain assemblies shall consist of two side chains, or two outer- and one inner-side chain, with cross chains, cross chain hooks, and fasteners necessary to form a complete assembly in accordance with the NACM TC SHEETS specified herein (see 2.1).

4.2. Material. All side and cross chains and cross chain hooks shall be made of open hearth, electric furnace, or basic oxygen process steel.

4.3. Spacing of Cross Chains. The number of cross chains required per half pair of chains shall be in accordance with the most current applicable NACM TC SHEETS. The first cross chain shall be attached to that link of each side chain nearest the fastener that will permit the fastener to lie in the proper plane when the assembled tire chain is applied to the tire. On single tire chains the remainder of the cross chains shall be attached to the side chains at equal intervals of four links each. On dual-triple tire chains the remainder of the cross chains shall be attached to the outer side chains at equal intervals of four links each, and the inner side chain with opposing cross chains staggered at equal intervals of two links each.

4.4. Tolerances.

4.4.1. Cross Chain Length. The number of links shall be as specified in applicable TC sheets. See Table I for link specifications. - .

- 4.4.2. Side Chain Length. The inside length of all side chains, including their end hooks or closed fasteners, shall be long enough for proper placement of all cross chains at designated spacing. All side chains shall have a minimum of 4 drop (tag or free) links on end. See Table 1 for link specifications.
- 4.4.3. Wire and Rod Sizes. Wire and rod sizes shall be subject to the following tolerances:

Material up to and including .192" (4.88mm) diameter –
plus or minus .003" (.08mm).

Material over .192" (4.88mm) diameter – plus or minus
.016" (.41mm).

- 4.5. Component Dimensions. The tire chain component dimensions, used for design purposes by the NACM, are shown in Table I. The dimensions of manufactured components may vary but the assembled tire chains must meet the tolerances specified in paragraphs 4.4.1, 4.4.2, and 4.4.3.

TABLE I

NACM TIRE CHAIN DESIGN COMPONENT DIMENSIONS

<u>TYPE COMPONENT</u>	<u>NOMINAL WIRE DIA.</u>		<u>PITCH ± 3%</u>	
	<u>in.</u>	<u>mm.</u>	<u>in.</u>	<u>mm.</u>
SIDE CHAIN	.162	4.11	1.250	31.75
	.177	4.50	1.250	31.75
	.192	4.88	1.296	32.92
	.218	5.54	1.390	35.31
	.281	7.14	1.812	46.02
	.312	7.92	1.921	48.79
	.375	9.53	2.172	55.17
	.437	11.10	2.250	57.15
CROSS CHAIN	.177	4.50	1.180	29.97
	.207	5.26	.920	23.37
	.234	5.94	1.000	25.40
	.281	7.14	1.250	31.75
	.312	7.92	1.390	35.31
	.375	9.53	1.260	32.00
	.437	11.10	1.562	39.67
	.531	13.49	1.734	44.04
C.C. HOOK	.177	4.50	1.06	26.92
	.207	5.26	1.87	47.50
	.250	6.35	1.56	39.62
	.312	7.92	1.56	39.62
	.375	9.53	1.75	44.45
	.406	10.31	1.75	44.45
	.437	11.10	2.37	60.20

- 4.6. Finish. Type RP, P, and PL shall have a rust resistant finish for protection in transit and storage. All other types shall be finished in accordance with individual manufacturer's practice.

- 4.7. Physical Properties.

- 4.7.1. Hardness. The surface hardness of cross chain shall be determined in accordance with ASTM E18 Standard Test Methods for Rockwell Hardness and shall meet one of the following levels of measurement: RC 53 min., RA 77.5 min., R15N 87 min., R30N 71 min., R45N 58.5 min

4.7.2. Case Depth. The case depth of cross chain shall be as specified in Table II.

TABLE II
CASE DEPTH OF CROSS CHAIN LINKS

<u>NOMINAL</u> <u>WIRE DIA.</u>		<u>TOTAL CASE DEPTH</u>			
		<u>MINIMUM</u>		<u>MAXIMUM</u>	
<u>in.</u>	<u>mm.</u>	<u>in.</u>	<u>mm.</u>	<u>in.</u>	<u>mm.</u>
.177	4.50	.010	.25	.042	1.07
.207	5.26	.012	.30	.045	1.14
.234	5.94	.016	.41	.046	1.17
.281	7.14	.020	.51	.050	1.27
.312	7.92	.022	.56	.052	1.32
.375	9.53	.027	.69	.060	1.52
.437	11.10	.027	.69	.065	1.65
.531	13.49	.027	.69	.065	1.65

4.7.3. Workmanship. Workmanship shall be such as to produce chain assemblies free from scale, injurious defects such as burrs or sharp edges, and faulty welding.

5. QUALITY PROVISIONS.

5.1. Responsibility for Inspection. Unless otherwise specified, the supplier/manufacturer is responsible for all inspection and quality assurance that the products meet this specification listed herein.

5.2. Test Procedures.

5.2.1. Hardness. To determine conformance to 4.7.1, cross chain shall be subject to the Rockwell hardness test as specified in the ASTM E18 Standard Test Methods for Rockwell Hardness.

5.2.2. Case Depth. Cross chain link shall be sectioned perpendicular to the axis of the chain wire. The test specimen shall be etched in a solution of one part nitric acid and one part water by volume until suitable case ring is present. Width of dark ring revealed shall be measured microscopically at suitable magnification and recorded as depth of case.

6. NOTES.

6.1. Intended Use. Tire chain assemblies covered by this specification are intended for use as traction devices on passenger car tires, truck tires (single, dual and wide base), off-the-road service tires, and farm tractor tires. Replacement cross chains and other components are intended for repairing tire chain assemblies only. Tire chain assemblies or components shall not be used for overhead lifting, towing, or load securement.

6.2. For information about which tire chains should be used on specific tire sizes, refer to catalogs of tire chain manufacturers.

TC SHEET TC 1-01
TYPE P (REGULAR) & TYPE RP (REINFORCED) – PASSENGER CAR CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “U” OR CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
TYPE P: 1206	55.6 (1412)	.177 (4.50)	.207 (5.26)	7	10.18 (258.6)	10	.207 (5.26)	TYPE P: 5214
TYPE RP: 1806		.192 (4.88)						TYPE RP: 5814
TYPE P: 1207	60.6 (1539)	.177 (4.50)	.207 (5.26)	7	10.18 (258.6)	11	.207 (5.26)	TYPE P: 5214
TYPE RP: 1807		.192 (4.88)						TYPE RP: 5814
TYPE P: 1217	63.1 (1603)	.177 (4.50)	.207 (5.26)	7	10.18 (258.6)	11	.207 (5.26)	TYPE P: 5214
TYPE RP: 1817		.192 (4.88)						TYPE RP: 5814
TYPE P: 1210	66.8 (1697)	.177 (4.50)	.207 (5.26)	7	10.18 (258.6)	12	.207 (5.26)	TYPE P: 5214
TYPE RP: 1810		.192 (4.88)						TYPE RP: 5814
TYPE P: 1230	61.4 (1560)	.192 (4.88)	.207 (5.26)	9	12.02 (305.3)	11	.207 (5.26)	TYPE P: 5220
TYPE RP: 1830								TYPE RP: 5820
TYPE P: 1240	66.6 (1692)	.192 (4.88)	.207 (5.26)	9	12.02 (305.3)	12	.207 (5.26)	TYPE P: 5220
TYPE RP: 1840								TYPE RP: 5820
TYPE P: 1254	66.6 (1692)	.192 (4.88)	.207 (5.26)	10	12.94 (328.7)	12	.207 (5.26)	TYPE P: 5222
TYPE RP: 1854								TYPE RP: 5822
TYPE P: 1255	70.5 (1791)	.192 (4.88)	.207 (5.26)	10	12.94 (328.7)	13	.207 (5.26)	TYPE P: 5222
TYPE RP: 1855								TYPE RP: 5822
TYPE P: 1250	73.1 (1857)	.192 (4.88)	.207 (5.26)	10	12.94 (328.7)	13	.207 (5.26)	TYPE P: 5222
TYPE RP: 1850								TYPE RP: 5822
TYPE P: 1284	76.2 (1935)	.218 (5.54)	.234 (5.94)	9	12.12 (307.8)	13	.250 (6.35)	TYPE P: 6219
TYPE RP: 1884								TYPE RP: 6819

TC SHEET TC 2-01
TYPE PL (REGULAR) – PASSENGER CAR CHAINS – RESTRICTED CLEARANCES
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “S” TRACTION DEVICES)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
1110	47.3 (1201)	.162 (4.11)	.177 (4.50)	7	10.38 (263.7)	9	.177 (4.50)	5414
1114	53.1 (1349)	.162 (4.11)	.177 (4.50)	7	10.38 (263.7)	10	.177 (4.50)	5414
1118	58.4 (1483)	.162 (4.11)	.177 (4.50)	7	10.38 (263.7)	11	.177 (4.50)	5414
1122	63.4 (1610)	.162 (4.11)	.177 (4.50)	7	10.38 (263.7)	12	.177 (4.50)	5414
1126	58.4 (1483)	.162 (4.11)	.177 (4.50)	8	11.56 (293.6)	11	.177 (4.50)	5419
1130	63.7 (1618)	.162 (4.11)	.177 (4.50)	8	11.56 (293.6)	12	.177 (4.50)	5419
1134	63.1 (1603)	.162 (4.11)	.177 (4.50)	9	12.74 (323.6)	12	.177 (4.50)	5420
1138	68.4 (1737)	.162 (4.11)	.177 (4.50)	9	12.74 (323.6)	13	.177 (4.50)	5420
1142	69.0 (1753)	.162 (4.11)	.177 (4.50)	10	13.92 (353.6)	13	.177 (4.50)	5422

TC SHEET TC 3-01
TYPE SH (REGULAR) & TYPE RS (REINFORCED) – SINGLE TRUCK CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “U” OR CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
TYPE SH: 2201	66.4 (1687)	.218 (5.54)	.234 (5.94)	8	11.12 (282.4)	11	.250 (6.35)	TYPE SH: 6218
TYPE RS: 2801								TYPE RS: 6818
TYPE SH: 2203	73.4 (1864)	.218 (5.54)	.234 (5.94)	8	11.12 (282.4)	12	.250 (6.35)	TYPE SH: 6218
TYPE RS: 2803								TYPE RS: 6818
TYPE SH: 2206	76.5 (1943)	.218 (5.54)	.234 (5.94)	8	11.12 (282.4)	13	.250 (6.35)	TYPE SH: 6218
TYPE RS: 2806								TYPE RS: 6818
TYPE SH: 2209	64.6 (1641)	.218 (5.54)	.234 (5.94)	9	12.12 (307.8)	11	.250 (6.35)	TYPE SH: 6219
TYPE RS: 2809								TYPE RS: 6819
TYPE SH: 2211	76.2 (1935)	.218 (5.54)	.234 (5.94)	9	12.12 (307.8)	13	.250 (6.35)	TYPE SH: 6219
TYPE RS: 2811								TYPE RS: 6819
TYPE SH: 2216	71.3 (1811)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	12	.250 (6.35)	TYPE SH: 6221
TYPE RS: 2816								TYPE RS: 6821
TYPE SH: 2219	77.5 (1969)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	13	.250 (6.35)	TYPE SH: 6221
TYPE RS: 2819								TYPE RS: 6821
TYPE SH: 2221	80.9 (2055)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	14	.250 (6.35)	TYPE SH: 6221
TYPE RS: 2821								TYPE RS: 6821
TYPE SH: 2214	86.2 (2189)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	15	.250 (6.35)	TYPE SH: 6221
TYPE RS: 2814								TYPE RS: 6821

TC SHEET TC 3-02
TYPE SH (REGULAR) & TYPE RS (REINFORCED) – SINGLE TRUCK CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “U” OR CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
TYPE SH: 2229	72.3 (1836)	.218 (5.54)	.234 (5.94)	12	15.12 (384.0)	12	.250 (6.35)	TYPE SH 6225
TYPE RS: 2829								TYPE RS: 6825
TYPE SH: 2228	82.7 (2101)	.218 (5.54)	.234 (5.94)	12	15.12 (384.0)	14	.250 (6.35)	TYPE SH 6225
TYPE RS: 2828								TYPE RS: 6825
TYPE SH: 2233	86.3 (2192)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	11	.312 (7.92)	TYPE SH 6251
TYPE RS: 2833								TYPE RS: 6822
TYPE SH: 2237	91.8 (2332)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	12	.312 (7.92)	TYPE SH 6251
TYPE RS: 2837								TYPE RS: 6822
TYPE SH: 2239	98.8 (2510)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	13	.312 (7.92)	TYPE SH 6251
TYPE RS: 2839								TYPE RS: 6822
TYPE SH: 2241	106.5 (2705)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	14	.312 (7.92)	TYPE SH: 6251
TYPE RS: 2841								TYPE RS: 6822
TYPE SH: 2245	113.3 (2878)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	15	.312 (7.92)	TYPE SH: 6251
TYPE RS: 2845								TYPE RS: 6822
TYPE SH: 2249	115.6 (2936)	.281 (7.14)	.281 (7.14)	10	15.62 (396.7)	15	.312 (7.92)	TYPE SH: 6253
TYPE RS: 2849								TYPE RS: 6853
TYPE SH: 2251	114.0 (2896)	.312 (7.92)	.312 (7.92)	9	16.01 (406.7)	14	.375 (9.53)	TYPE SH: 6260
TYPE RS: 2851								TYPE RS: 6860

TC SHEET TC 3-03
TYPE SH (REGULAR) & TYPE RS (REINFORCED) – SINGLE TRUCK CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “U” OR CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
TYPE SH 2253	125.5 (3188)	.312 (7.92)	.312 (7.92)	9	16.01 (406.7)	16	.375 (9.53)	TYPE SH: 6260
TYPE RS: 2853								TYPE RS: 6860
TYPE SH: 2255	115.9 (2944)	.312 (7.92)	.312 (7.92)	10	17.40 (442.0)	14	.375 (9.53)	TYPE SH: 6253
TYPE RS: 2855								TYPE RS: 6863
TYPE SH: 2257	128.3 (3259)	.312 (7.92)	.312 (7.92)	10	17.40 (442.0)	16	.375 (9.53)	TYPE SH: 6263
TYPE RS: 2857								TYPE RS: 6863
TYPE SH: 2271	131.7 (3345)	.312 (7.92)	.312 (7.92)	11	18.79 (477.3)	16	.375 (9.53)	TYPE SH: 6266
TYPE RS: 2871								TYPE RS: 6866
TYPE SH: 2273	144.2 (3663)	.312 (7.92)	.312 (7.92)	11	18.79 (477.3)	18	.375 (9.53)	TYPE SH: 6266
TYPE RS: 2873								TYPE RS: 6866

**TC SHEET TC 4-01
TYPE SM – SINGLE TRUCK CHAINS – MUD SERVICE
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “W”)**

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
2433	65.6 (1666)	.281 (7.14)	.312 (7.92)	8	14.62 (371.3)	8	.375 (9.53)	6256
2435	72.8 (1849)	.281 (7.14)	.312 (7.92)	8	14.62 (371.3)	9	.375 (9.53)	6256
2437	79.3 (2014)	.281 (7.14)	.312 (7.92)	8	14.62 (371.3)	10	.375 (9.53)	6256
2439	77.2 (1961)	.281 (7.14)	.312 (7.92)	9	16.01 (406.7)	10	.375 (9.53)	6260
2441	88.9 (2258)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	11	.375 (9.53)	6434
2445	97.1 (2466)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	12	.375 (9.53)	6434
2448	103.9 (2639)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	13	.375 (9.53)	6434
2452	110.2 (2799)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	14	.375 (9.53)	6434

TC SHEET TC 5-01
TYPE DTH (REGULAR) & TYPE RDT (REINFORCED) – DUAL TRIPLE TRUCK CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “U” OR CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. mm.)	
TYPE DTH: 4206	76.5 (1943)	.218 (5.54)	.234 (5.94)	8	11.12 (282.4)	26	.250 (6.35)	TYPE DTH: 6218
TYPE RDT: 4806								TYPE RDT: 6818
TYPE DTH: 4211	74.8 (1900)	.218 (5.54)	.234 (5.94)	9	12.12 (307.8)	26	.250 (6.35)	TYPE DTH: 6219
TYPE RDT: 4811								TYPE RDT: 6819
TYPE DTH: 4217	68.5 (1740)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	24	.250 (6.35)	TYPE DTH: 6221
TYPE RDT: 4817								TYPE RDT: 6821
TYPE DTH: 4219	77.5 (1969)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	26	.250 (6.35)	TYPE DTH: 6221
TYPE RDT: 4819								TYPE RDT: 6821
TYPE DTH: 4221	80.9 (2055)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	28	.250 (6.35)	TYPE DTH: 6221
TYPE RDT: 4821								TYPE RDT: 6821
TYPE DTH: 4214	86.2 (2189)	.218 (5.54)	.234 (5.94)	10	13.12 (333.2)	30	.250 (6.35)	TYPE DTH: 6221
TYPE RDT: 4814								TYPE RDT: 6821
TYPE DTH: 4231	80.6 (2047)	.218 (5.54)	.234 (5.94)	12	15.12 (384.0)	28	.250 (6.35)	TYPE DTH: 6225
TYPE RDT: 4831								TYPE RDT: 6825
TYPE DTH: 4233	86.3 (2192)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	22	.312 (7.92)	TYPE DTH: 6251
TYPE RDT: 4833								TYPE RDT: 6822
TYPE DTH: 4222	91.8 (2332)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	24	.312 (7.92)	TYPE DTH: 6251
TYPE RDT: 4822								TYPE RDT: 6822
TYPE DTH: 4239	98.8 (2510)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	26	.312 (7.92)	TYPE DTH: 6251
TYPE RDT: 4839								TYPE RDT: 6822

TC SHEET TC 5-02
TYPE DTH (REGULAR) & TYPE RDT (REINFORCED) – DUAL TRIPLE TRUCK CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “U” OR CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
TYPE DTH: 4241	106.5 (2705)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	28	.312 (7.92)	TYPE DTH: 6251
TYPE RDT: 4841								TYPE RDT: 6822
TYPE DTH: 4245	113.3 (2878)	.281 (7.14)	.281 (7.14)	9	14.37 (365.0)	30	.312 (7.92)	TYPE DTH: 6251
TYPE RDT: 4845								TYPE RDT: 6822
TYPE DTH: 4249	115.6 (2936)	.281 (7.14)	.281 (7.14)	10	15.62 (396.7)	30	.312 (7.92)	TYPE DTH: 6253
TYPE RDT: 4849								TYPE RDT: 6853
TYPE DTH: 4251	114.0 (2896)	.312 (7.92)	.312 (7.92)	9	16.01 (406.7)	28	.375 (9.53)	TYPE DTH: 6260
TYPE RDT: 4851								TYPE RDT: 6860
TYPE DTH: 4253	125.5 (3188)	.312 (7.92)	.312 (7.92)	9	16.01 (406.7)	32	.375 (9.53)	TYPE DTH: 6260
TYPE RDT: 4853								TYPE RDT: 6860
TYPE DTH: 4255	115.9 (2944)	.312 (7.92)	.312 (7.92)	10	17.40 (442.0)	28	.375 (9.53)	TYPE DTH: 6263
TYPE RDT: 4855								TYPE RDT: 6863
TYPE DTH: 4257	128.3 (3259)	.312 (7.92)	.312 (7.92)	10	17.40 (442.0)	32	.375 (9.53)	TYPE DTH: 6263
TYPE RDT: 4857								TYPE RDT: 6863
TYPE DTH: 4271	131.7 (3345)	.312 (7.92)	.312 (7.92)	11	18.79 (477.3)	32	.375 (9.53)	TYPE DTH: 6266
TYPE RDT: 4871								TYPE RDT: 6866
TYPE DTH: 4273	144.2 (3663)	.312 (7.92)	.312 (7.92)	11	18.79 (477.3)	36	.375 (9.53)	TYPE DTH: 6266
TYPE RDT: 4873								TYPE RDT: 6866

**TC SHEET TC 6-01
TYPE DTM –DUAL TRIPLE TRUCK CHAINS – MUD SERVICE
(INTENDED FOR APPLICATIONS REQUIRING SAE CLASS “W”)**

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
4435	88.9 (2258)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	22	.375 (9.53)	6434
4437	97.1 (2466)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	24	.375 (9.53)	6434
4448	103.9 (2639)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	26	.375 (9.53)	6434
4461	110.2 (2799)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	28	.375 (9.53)	6434

TC SHEET TC 7-01
TYPE DH – DUAL & WIDE BASE TRUCK CHAINS
(INTENDED FOR APPLICATIONS REQUIRING SINGLE MOUNT AND DUAL MOUNT - SAE CLASS “W”)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
3210	76.4 (1941)	.218 (5.54)	.234 (5.94)	12	15.12 (384.0)	13	.250 (6.35)	6225
3227	76.6 (1946)	.281 (7.14)	.281 (7.14)	10	15.62 (396.7)	10	.312 (7.92)	6253
3229	77.4 (1966)	.281 (7.14)	.281 (7.14)	12	18.12 (460.2)	10	.312 (7.92)	6259
3235	91.2 (2316)	.281 (7.14)	.281 (7.14)	12	18.12 (460.2)	12	.312 (7.92)	6259
3237	73.0 (1854)	.281 (7.14)	.281 (7.14)	16	23.12 (587.2)	9	.312 (7.92)	6265
3249	70.8 (1798)	.281 (7.14)	.281 (7.14)	17	24.37 (619.0)	9	.312 (7.92)	6267
3251	77.7 (1974)	.281 (7.14)	.281 (7.14)	17	24.37 (619.0)	10	.312 (7.92)	6267
3255	106.2 (2697)	.281 (7.14)	.312 (7.92)	13	21.57 (547.9)	14	.375 (9.53)	7213
3257	113.0 (2870)	.281 (7.14)	.312 (7.92)	13	21.57 (547.9)	15	.375 (9.53)	7213
3259	84.9 (2156)	.281 (7.14)	.312 (7.92)	14	22.96 (583.2)	11	.375 (9.53)	7214
3261	119.8 (3043)	.281 (7.14)	.312 (7.92)	14	22.96 (583.2)	16	.375 (9.53)	7214
3265	87.9 (2233)	.281 (7.14)	.312 (7.92)	15	24.35 (618.5)	11	.375 (9.53)	7215
3267	92.1 (2339)	.281 (7.14)	.312 (7.92)	15	24.35 (618.5)	12	.375 (9.53)	7215
3269	101.8 (2586)	.281 (7.14)	.312 (7.92)	15	24.35 (618.5)	13	.375 (9.53)	7215
3271	106.9 (2715)	.281 (7.14)	.312 (7.92)	15	24.35 (618.5)	14	.375 (9.53)	7215
3273	90.5 (2299)	.281 (7.14)	.312 (7.92)	20	31.30 (795.0)	12	.375 (9.53)	7216
3275	99.8 (2535)	.281 (7.14)	.312 (7.92)	20	31.30 (795.0)	13	.375 (9.53)	7216
3277	106.7 (2710)	.281 (7.14)	.312 (7.92)	20	31.30 (795.0)	14	.375 (9.53)	7216

TC SHEET TC 8-01
TYPE OTR – OFF-THE-ROAD VEHICLE CHAINS
(SINGLE MOUNT: SAE CLASSIFICATION NOT APPLICABLE)

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
2612	114.6 (2911)	.312 (7.92)	.375 (9.53)	17	25.0 (635.0)	14	.406 (10.31)	7422 or 6630
2615	126.1 (3203)	.312 (7.92)	.375 (9.53)	17	25.0 (635.0)	16	.406 (10.31)	7422 or 6630
2624	121.5 (3086)	.375 (9.53)	.437 (11.10)	15	28.2 (716.3)	13	.437 (11.10)	6640
2627	138.9 (3528)	.375 (9.53)	.437 (11.10)	15	28.2 (716.2)	15	.437 (11.10)	6640
2633	128.0 (3251)	.375 (9.53)	.437 (11.10)	19	34.4 (873.8)	14	.437 (11.10)	6650
2636	138.9 (3528)	.375 (9.53)	.437 (11.10)	19	34.4 (873.8)	15	.437 (11.10)	6650
2642	164.9 (4188)	.375 (9.53)	.437 (11.10)	19	34.4 (873.8)	18	.437 (11.10)	6650
2645	143.7 (3650)	.437 (11.10)	.531 (13.49)	20	39.4 (1000.8)	15	*.437 (11.10)	6660
2648	152.7 (3879)	.437 (11.10)	.531 (13.49)	20	39.4 (1000.8)	16	*.437 (11.10)	6660
2654	179.7 (4554)	.437 (11.10)	.531 (13.49)	20	39.4 (1000.8)	19	*.437 (11.10)	6660
2657	161.7 (4107)	.437 (11.10)	.531 (13.49)	23	44.6 (1132.8)	17	*.437 (11.10)	6670
2660	170.7 (4336)	.437 (11.10)	.531 (13.49)	23	44.6 (1132.8)	18	*.437 (11.10)	6670
2663	182.0 (4623)	.437 (11.10)	.531 (13.49)	23	44.6 (1132.8)	19	*.437 (11.10)	6670
2672	161.7 (4107)	.437 (11.10)	.531 (13.49)	27	51.5 (1308.1)	17	*.437 (11.10)	6680
2675	170.7 (4336)	.437 (11.10)	.531 (13.49)	27	51.5 (1308.1)	18	*.437 (11.10)	6680

* OPTIONAL: .437" Alloy – 235 B.H.N. MIN. or .531" AISI 1008 to 1020.

**TC SHEET TC 9-01
TYPE FTH –FARM TRACTOR CHAINS – HIWAY SERVICE
(SINGLE MOUNT: SAE CLASSIFICATION NOT APPLICABLE)**

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
0822	89.6 (2276)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	11	.375 (9.53)	6434
0829	76.2 (1935)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	9	.375 (9.53)	6434
0832	99.3 (2522)	.312 (7.92)	.375 (9.53)	11	17.36 (440.9)	12	.375 (9.53)	6434
0836	97.3 (2471)	.312 (7.92)	.375 (9.53)	14	21.14 (537.0)	12	.406 (10.31)	6445
0838	112.6 (2860)	.312 (7.92)	.375 (9.53)	14	21.14 (537.0)	14	.406 (10.31)	6445
0846	137.7 (3498)	.312 (7.92)	.375 (9.53)	14	21.14 (537.0)	17	.406 (10.31)	6445
0862	147.3 (3741)	.312 (7.92)	.375 (9.53)	14	21.14 (537.0)	18	.406 (10.31)	6445
0852	106.9 (2715)	.312 (7.92)	.375 (9.53)	14	21.14 (537.0)	13	.406 (10.31)	6445
0856	120.4 (3058)	.312 (7.92)	.375 (9.53)	14	21.14 (537.0)	15	.406 (10.31)	6445
0850	85.8 (2179)	.312 (7.92)	.375 (9.53)	16	23.66 (601.0)	10	.406 (10.31)	7420
0858	116.5 (2959)	.312 (7.92)	.375 (9.53)	16	23.66 (601.0)	14	.406 (10.31)	7420
0859	122.3 (3106)	.312 (7.92)	.375 (9.53)	16	23.66 (601.0)	15	.406 (10.31)	7420
0866	151.1 (3838)	.312 (7.92)	.375 (9.53)	16	23.66 (601.0)	19	.406 (10.31)	7420
0869	130.0 (3302)	.312 (7.92)	.375 (9.53)	16	23.66 (601.0)	16	.406 (10.31)	7420
0871	160.7 (4082)	.312 (7.92)	.375 (9.53)	16	23.66 (601.0)	20	.406 (10.31)	7420
0874	122.3 (3106)	.312 (7.92)	.375 (9.53)	19	27.44 (697.0)	15	.406 (10.31)	7426

**TC SHEET TC 9-02
TYPE FTH – FARM TRACTOR CHAINS – HIGHWAY SERVICE
(SINGLE MOUNT: SAE CLASSIFICATION NOT APPLICABLE)**

CODE NO.	SIDE CHAIN		CROSS CHAIN				CROSS CHAIN HOOKS	REPLACE- MENT CROSS CHAIN CODE NO.
	NOMINAL LENGTH INCLUDING CLOSED FASTENER in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NOMINAL WIRE SIZE in. (mm.)	NO. OF LINKS	NOMINAL INSIDE LENGTH WITH HOOKS in. (mm.)	MINIMUM NO. PER 1/2 PAIR	NOMINAL WIRE SIZE in. (mm.)	
0876	131.9 (3350)	.312 (7.92)	.375 (9.53)	19	27.44 (697.0)	16	.406 (10.31)	7426
0877	137.7 (3498)	.312 (7.92)	.375 (9.53)	19	27.44 (697.0)	17	.406 (10.31)	7426
0879	147.3 (3741)	.312 (7.92)	.375 (9.53)	19	27.44 (697.0)	18	.406 (10.31)	7426
0880	160.07 (4082)	.312 (7.92)	.375 (9.53)	19	27.44 (697.0)	20	.406 (10.31)	7426
0881	93.3 (2370)	.375 (9.53)	.437 (11.10)	17	31.29 (794.8)	10	.437 (11.10)	9562
0883	123.7 (3142)	.375 (9.53)	.437 (11.10)	17	31.29 (794.8)	13	.437 (11.10)	9562
0884	130.2 (3307)	.375 (9.53)	.437 (11.10)	17	31.29 (794.8)	14	.437 (11.10)	9562
0885	138.9 (3528)	.375 (9.53)	.437 (11.10)	17	31.29 (794.8)	15	.437 (11.10)	9562
0887	147.6 (3749)	.375 (9.53)	.437 (11.10)	17	31.29 (794.8)	16	.437 (11.10)	9562
0889	158.4 (4023)	.375 (9.53)	.437 (11.10)	17	31.29 (794.8)	17	.437 (11.10)	9562
0890	158.4 (4023)	.375 (9.53)	.437 (11.10)	19	34.42 (874.3)	17	.437 (11.10)	6650
0892	167.1 (4244)	.375 (9.53)	.437 (11.10)	19	34.42 (874.3)	18	.437 (11.10)	6650
0891	130.2 (3307)	.375 (9.53)	.437 (11.10)	22	39.10 (993.1)	14	.437 (11.10)	9567
0893	145.4 (3693)	.375 (9.53)	.437 (11.10)	22	39.10 (993.1)	16	.437 (11.10)	9567
0895	156.2 (3967)	.375 (9.53)	.437 (11.10)	22	39.10 (993.1)	17	.437 (11.10)	9567