

ATTACHMENT I
GENERAL PRODUCT DESCRIPTION

The steel products covered by this request include:

- Certain carbon and alloy flat products;
- Certain carbon and alloy long products
- Certain carbon and alloy pipe and tube; and
- Certain stainless steel and alloy tool steel products.

The applicable Harmonized Tariff Schedules of the United States Annotated (HTS) item numbers corresponding to this request are listed in Annex I.

This request does not include steel products currently covered by the section 201 relief on wire rod and line pipe, as announced on February 16 and February 18, 2000, respectively. Also not included in this request are those wire rod and line pipe products which were specifically excluded in the remedies on these products. Further discussion of these, and other, product exclusions are included in Annex II.

Carbon and Alloy Long Products

7206100000	7216330060	7217206000	7228501010	7308909590
7206900000	7216330090	7217207500	7228505005	7312101030
7207110000	7216400010	7217301530	7228505050	7312101050
7207190030	7216400050	7217301560	7228601030	7312101070
7207190090	7216500000	7217303000	7228606000	7312103005
7207200075	7216610000	7217304510	7228608000	7312103010
7207200090	7216690000	7217304520	7228703020	7312103012
7213100000	7216910000	7217304530	7228703040	7312103020
7213200000	7216990000	7217304540	7228703060	7312103045
7213990060	7217101000	7217304550	7228703080	7312103065
7213990090	7217102000	7217304560	7228706000	7312103070
7214100000	7217103000	7217304590	7228800000	7312103074
7214200000	7217104030	7217306000	7229200000	7312103080
7214300000	7217104090	7217307500	7229901000	7312108000
7214910015	7217105030	7217901000	7229905015	7312109030
7214910060	7217105090	7217905030	7229905030	7312109060
7214910090	7217106000	7217905060	7229905050	7312109090
7214990015	7217107000	7217905090	7229909000	7314190000
7214990030	7217108010	7224100005	7301100000	7317005504
7214990045	7217108020	7224100075	7301201000	7317005506
7214990060	7217108025	7224900005	7301205000	7317005510
7214990075	7217108030	7224900045	7302101010	7317005520
7214990090	7217108045	7224900065	7302101015	7317005530
7215100000	7217108060	7224900075	7302101025	7317005540
7215500015	7217108075	7227200000	7302101035	7317005550
7215500060	7217108090	7227200010	7302101045	7317005560
7215500090	7217109000	7227200090	7302101055	7317005570
7215901000	7217201500	7227901030	7302105020	7317005580
7215903000	7217203000	7227902030	7302200000	7317005590
7215905000	7217204510	7227906005	7302400000	7317006530
7216100010	7217204520	7227906058	7308100000	7317006560
7216100050	7217204530	7228201000	7308200000	7317007500
7216210000	7217204540	7228205000	7308400000	8305200000
7216220000	7217204550	7228302000	7308903000	
7216310000	7217204560	7228308005	7308906000	
7216320000	7217204570	7228308050	7308907000	
7216330030	7217204580	7228400000	7308909530	

Carbon and Alloy Flat Products

7207120010	7208510060	7210490090	7211236075	7225508010
7207120050	7208520000	7210500000	7211236085	7225508015
7207200025	7208530000	7210610000	7211292030	7225508085
7207200045	7208540000	7210690000	7211292090	7225910000
7208101500	7208900000	7210703000	7211294500	7225920000
7208103000	7209150000	7210706030	7211296030	7225990010
7208106000	7209160030	7210706060	7211296080	7225990090
7208253000	7209160060	7210706090	7211900000	7226111000
7208256000	7209160090	7210901000	7212100000	7226119030
7208260030	7209170030	7210906000	7212200000	7226119060
7208260060	7209170060	7210909000	7212301030	7226191000
7208270030	7209170090	7211130000	7212301090	7226199000
7208270060	7209181530	7211140030	7212303000	7226915000
7208360030	7209181560	7211140045	7212305000	7226917000
7208360060	7209182510	7211140090	7212401000	7226918000
7208370030	7209182550	7211191500	7212405000	7226925000
7208370060	7209186000	7211192000	7212500000	7226927005
7208380015	7209250000	7211193000	7212600000	7226927050
7208380030	7209260000	7211194500	7224900055	7226928005
7208380090	7209270000	7211196000	7225110000	7226928050
7208390015	7209280000	7211197530	7225190000	7226930000
7208390030	7209900000	7211197560	7225303005	7226940000
7208390090	7210110000	7211197590	7225303050	7226990000
7208403030	7210120000	7211231500	7225307000	
7208403060	7210200000	7211232000	7225403005	
7208406030	7210300030	7211233000	7225403050	
7208406060	7210300060	7211234500	7225407000	
7208510030	7210410000	7211236030	7225506000	
7208510045	7210490030	7211236060	7225507000	

Carbon and Alloy Pipe and Tube

7304101020	7304294040	7304390080	7305121030	7306305085
7304101030	7304294050	7304511000	7305121060	7306305090
7304101045	7304294060	7304515005	7305125000	7306501000
7304101060	7304294080	7304515015	7305191030	7306503000
7304101080	7304295015	7304515045	7305191060	7306505010
7304105020	7304295030	7304515060	7305195000	7306505030
7304105050	7304295045	7304591000	7305202000	7306505050
7304105080	7304295060	7304592030	7305204000	7306505070
7304213000	7304295075	7304592040	7305206000	7306601000
7304216030	7304296015	7304592045	7305208000	7306603000
7304216045	7304296030	7304592055	7305312000	7306605000
7304216060	7304296045	7304592060	7305314000	7306607060
7304291010	7304296060	7304592070	7305316000	7306901000
7304291020	7304296075	7304592080	7305391000	7306905000
7304291030	7304313000	7304596000	7305395000	7307915010
7304291040	7304316010	7304598010	7305901000	7307915030
7304291050	7304316050	7304598015	7305905000	7307915050
7304291060	7304390002	7304598020	7306201030	7307915070
7304291080	7304390004	7304598025	7306201090	7307923010
7304292010	7304390006	7304598030	7306202000	7307923030
7304292020	7304390008	7304598035	7306203000	7307929000
7304292030	7304390016	7304598040	7306204000	7307933000
7304292040	7304390020	7304598045	7306206010	7307936000
7304292050	7304390024	7304598050	7306206050	7307939030
7304292060	7304390028	7304598055	7306208010	7307939060
7304292080	7304390032	7304598060	7306208050	7307995015
7304293010	7304390036	7304598065	7306301000	7307995045
7304293020	7304390040	7304598070	7306303000	7307995060
7304293030	7304390044	7304598080	7306305010	8431438020
7304293040	7304390048	7304901000	7306305015	8431438040
7304293050	7304390052	7304903000	7306305020	
7304293060	7304390056	7304905000	7306305025	
7304293080	7304390062	7304907000	7306305032	
7304294010	7304390068	7305111030	7306305035	
7304294020	7304390072	7305111060	7306305040	
7304294030	7304390076	7305115000	7306305055	

Stainless Steel and Alloy Tool Steel

7218100000	7221000005	7224100045	7228501040	7306405080
7218910015	7221000015	7224900015	7228501060	7306405085
7218910030	7221000030	7224900025	7228501080	7306405090
7218910060	7221000045	7224900035	7228601060	7306607030
7218990015	7221000075	7225200000	7229100000	7307211000
7218990030	7222110005	7225301000	7304413005	7307215000
7218990045	7222110050	7225305060	7304413015	7307221000
7218990060	7222190005	7225401090	7304413045	7307225000
7218990090	7222190050	7225405060	7304416005	7307230000
7219210005	7222200005	7225501060	7304416015	7307290030
7219210020	7222200045	7226200000	7304416045	7307290090
7219210040	7222200075	7226910500	7304490005	7312106030
7219210060	7222300000	7226911560	7304490015	7312106060
7219220005	7222403025	7226912560	7304490045	7314141000
7219220015	7222403045	7226921060	7304490060	7314142000
7219220020	7222403065	7226923060	7306401010	7314143000
7219220025	7222403085	7227100000	7306401015	7314146000
7219220035	7222406000	7227901060	7306401090	7314149000
7219220040	7223001015	7227902060	7306405005	
7219220045	7223001030	7228100010	7306405015	
7219220070	7223001045	7228100030	7306405040	
7219220075	7223001060	7228100060	7306405042	
7219220080	7223001075	7228304000	7306405044	
7219310050	7223005000	7228306000	7306405062	
7220110000	7223009000	7228501020	7306405064	

ANNEX II EXCLUDED PRODUCTS

The following steel products are excluded from this request.

Wire Rod Covered by Existing Section 201 Relief. Wire rod currently subject to the section 201 relief announced on February 16, 2000 (65 FR 8621) is excluded from this request.

Wire Rod Specifically Excluded in the Section 201 Relief. The following wire rod products were specifically excluded in the section 201 relief on wire rod announced on February 16, 2000 (65 FR 8621). These products are also excluded from this request.

- Tire cord quality wire rod measuring 5.0 mm or more but no more than 6.0 mm in cross-sectional diameter, with an average partial decarburization of no more than 70 microns in depth (maximum 200 microns); having no inclusions greater than 20 microns; capable of being drawn to a diameter of 0.30 mm or less or fewer breaks per ton, imported pursuant to a purchase order from a tire manufacturer or a tire cord wire manufacturer in the United States for tire cord quality wire rod, and containing by weight the following elements in the proportions shown:
 - S 0.68 percent or more of carbon;
 - S less than 0.01 percent of aluminum;
 - S 0.040 percent or less, in the aggregate, of phosphorus and sulfur;
 - S 0.008 percent or less of nitrogen; and
 - S not more than 0.55 percent, in the aggregate, of copper, nickel and chromium

- Valve spring quality wire rod containing by weight 0.43 percent or more but not more than 0.73 percent of carbon, having a maximum inclusion content to ASTM A-877, Table 4, imported pursuant to a purchase order from an automotive valve spring or automotive brake spring manufacturer in the United States for automotive valve spring or automotive brake spring quality wire rod, measuring 5.5 mm or more but not more than 18 mm in cross-sectional diameter and having a partial decarburization of no more than 0.127 mm in depth and seams of no more than 0.075 mm in depth, or if measuring over 9.5 mm but no more than 18 mm in cross-sectional diameter either:
 - S having a partial decarburization of not over 1.3 percent of the diameter of the rod, a zero ferrite (total) decarburization and seams of no more than 0.075 mm in depth; or
 - S if AISI grade 6150, having a partial decarburization of not more than 0.127 mm in depth, a zero ferrite (total) decarburization and a seam depth of not more than 1 percent of the diameter;

- Class III pipe wrap quality wire rod measuring 10.3 mm in cross-sectional diameter, with an average partial decarburization per coil of no more than 70 microns in depth, having no inclusions greater than 20 microns, free of injurious piping and undue segregation, having a heat

tensile strength minimum of 170 ksi and a maximum of 177 ksi, and containing by weight the following elements in the proportions shown:

- S 0.72 percent or more of carbon;
- S 0.50 percent or more but not more than 1.10 percent of manganese;
- S not more than 0.030 percent of phosphorus;
- S not more than 0.035 percent of sulfur; and
- S 0.10 percent or more but not more than 0.35 percent of silicon.

- Aircraft quality cold heading quality wire rod measuring 5.5 mm or more but not more than 19.0 mm in cross sectional diameter for the grades enumerated herein, meeting the requirements defined in the aerospace and military specifications listed for each grade:

Grade	Specification
4037	AMS6300, 2301
4130	AMS6370, 2301; MIL-S6758
4140	AMS6382, 2301; MIL-S5626
4340	AMS6415, 2301; MIL-S5000
8740	AMS6322, 2301; MIL-S6049
PWA722	AMS6304, 2301

having a diameter tolerance of plus 0.25 mm and minus 0.25 mm, having an out of roundness tolerance of not more than 0.30 mm, having surface seam of not more than the greater of 0.07 mm or 1.0 percent of the diameter in depth, free from complete decarburization, partial decarburization no more than the greater of 0.10 mm or 1.0 percent of the diameter in depth, having micro-structure meeting the aircraft cleanliness requirements of AMS2301, and having grain size predominantly No. 5 or finer;

- Aluminum cable steel reinforced (“ACSR”) quality steel wire rod, measuring either (i) 7.2 mm or more but no more than 7.8 mm in cross-sectional diameter or (ii) 9.2 mm or more but no more than 9.8 mm in cross-sectional diameter, in the following strength/grade/size requirements:

- S 95 kgf/mm² for AISI grade 1045 wire rod measuring 7.2 mm or more but no more than 7.8 mm in cross-sectional diameter; and
- S 92 kgf/mm² for AISI grade 1045 wire rod measuring 9.2 mm or more but no more than 9.8 in cross-sectional diameter.

Line Pipe Covered by Existing Section 201 Relief. Line pipe currently subject to the section 201 relief announced on February 18, 2000 (65 FR 9193) is excluded from the scope of this request.

Line Pipe Specifically Excluded in the Section 201 Relief. The following line pipe products were specifically excluded in the section 201 relief on line pipe (16 inches and under in outside diameter) announced on February 18, 2000 (65 FR 9193). These products are also excluded from the scope of this request.

- Arctic grade line pipe, more specifically, welded line pipe that:
 - S has an outside diameter of 114.3 mm or more and a wall thickness equal to or less than 19.05 mm;
 - S when subjected to a Charpy V-notch test performed at minus 45.6 degrees Celsius or below applied to three specimens taken from the weld area, has a joules rating of no less than 23.05 joules for each sample, with an average for all three at no less than 25.76 joules;
 - S using at least three samples, has a minimum average shear area of 85 percent in the base metal and 50 percent in the weld; and
 - S when subjected to a hydrogen induced cracking test to be performed as provided by National Association of Corrosion Engineers (NACE) TM0284 test with solution A, has a crack length ratio that does not exceed 15 percent, a crack sensibility ratio that does not exceed 2 percent, and a crack thickness ratio that does not exceed 5 percent.

Oil Country Tubular Goods (OCTG). The following OCTG products are excluded from this request.

- Casing and tubing containing 10.5 percent or more of chromium.

Certain Stainless Steel Products. The following grades of stainless steel bar and wire rod are excluded from this request.

- SF20T
 - Carbon--0.05 max
 - Manganese--2.00 max
 - Phosphorous--0.05 max
 - Sulfur--0.15 max
 - Silicon--1.00 max
 - Chromium--19.00/21.00
 - Molybdenum--1.50/2.50
 - Lead--added (0.10/0.30)
 - Tellurium--added (0.03 min)
- K-M35FL
 - Carbon--0.015 max

Silicon--0.70/1.00
Manganese--0.40 max
Phosphorous--0.04 max
Sulfur--0.03 max
Nickel--0.30 max
Chromium--12.50/14.00
Lead--0.10/0.30
Aluminum--0.20/0.35

- Kanthal A-1

Carbon--0.08 max
Silicon--0.70 max
Manganese--0.40 max
Aluminum--5.30 min, 6.30 max
Iron--balance
Chromium--20.50 min, 23.50 max

- Kanthal AF

Carbon--0.08 max
Silicon--0.70 max
Manganese--0.40 max
Chromium--20.50 min, 23.50 max
Aluminum--4.80 min, 5.80 max
Iron--balance

- Kanthal A

Carbon--0.08 max
Silicon--0.70 max
Manganese--0.50 max
Chromium--20.50 min, 23.50 max
Aluminum--4.80 min, 5.80 max
Iron--balance

- Kanthal D

Carbon--0.08 max
Silicon--0.70 max
Manganese--0.50 max
Chromium--20.50 min, 23.50 max
Aluminum--4.30 min, 5.30 max

Iron--balance

- Kanthal DT

Carbon--0.08 max

Silicon--0.70 max

Manganese--0.50 max

Chromium--20.50 min, 23.50 max

Aluminum--4.60 min, 5.60 max

Iron--balance

- Alkrothal 14

Carbon--0.08 max

Silicon--0.70 max

Manganese--0.50 max

Chromium--14.00 min, 16.00 max

Aluminum--3.80 min, 4.80 max

Iron--balance

- Alkrothal 720

Carbon--0.08 max

Silicon--0.70 max

Manganese--0.70 max

Chromium--12.00 min, 14.00 max

Aluminum--3.50 min, 4.50 max

Iron--balance

- Nikrothal 40

Carbon--0.10 max

Silicon--1.60 min, 2.50 max

Manganese--1.00 max

Chromium--18.00 min, 21.00 max

Nickel--34.00 min, 37.00 max

Iron--balance

Certain semifinished steel. The following semifinished steel products are excluded from this request.

- Semifinished non-alloy steel (classified within HTSUS 7207.19.0030 or 7207.20.0075) or alloy steel (classified within HTSUS 7224.90.0005 or 7224.90.0065) of circular cross section, of diameter not less than 250 mm and not greater than 680 mm, and of a length not less than

3657 mm, limited to the following grades:

Carbon

AISI 1552

AISI 1022

AISI 1045

AISI 1029

AISI 1020

Alloy

AISI 4140

AISI 4150

AISI 4130

AISI 4330

ASTM A694

ASTM A350

Certain Carbon and Alloy Flat-rolled Products. The following carbon and alloy flat-rolled products are excluded from this request.

- Certain clad stainless flat-rolled products, which are three-layered corrosion-resistant carbon steel flat-rolled products less than 4.75 millimeters in composite thickness that consist of a carbon steel flat-rolled product clad on both sides with stainless steel in a 20%-60%-20% ratio.
- Doctor blades meeting the following specifications: Carbon steel coil or strip, plated with nickel phosphorous, having a thickness of 0.1524 millimeters (0.006 inches), a width between 31.75 millimeters (1.25 inches) and 50.80 millimeters (2.00 inches), a core hardness between 580 to 630 HV, a surface hardness between 900-990 HV; the carbon steel coil or strip consists of the following elements identified in percentage by weight: 0.90% to 1.05% carbon; 0.15% to 0.35% silicon; 0.30% to 0.50% manganese; less than or equal to 0.03% of phosphorous; less than or equal to 0.006% of sulfur; other elements representing 0.24%; and the remainder of iron.
- Carbon steel flat products measuring 1.64 millimeters in thickness and 19.5 millimeters in width consisting of carbon steel coil (SAE 1008) with a lining clad with an aluminum alloy that is balance aluminum; 10 to 15% tin; 1 to 3% lead; 0.7 to 1.3% copper; 1.8 to 3.5% silicon; 0.1 to 0.7% chromium; less than 1% other materials and meeting the requirements of SAE standard 783 for Bearing and Bushing Alloys.

- Carbon steel flat products measuring 0.975 millimeters in thickness and 8.8 millimeters in width consisting of carbon steel coil (SAE 1012) clad with a two-layer lining, the first layer consisting of a copper-lead alloy powder that is balance copper, 9%-11% tin, 9%-11% lead, maximum 1% other materials and meeting the requirements of SAE standard 792 for Bearing and Bushing Alloys, the second layer consisting of 13%-17% carbon, 13%-17% aromatic polyester, with a balance (approx. 66%-74%) of polytetrafluorethylene ("PTFE").
- Carbon steel flat products measuring 1.02 millimeters in thickness and 10.7 millimeters in width consisting of carbon steel coil (SAE 1008) with a two-layer lining, the first layer consisting of a copper-lead alloy powder that is balance copper, 9%-11% tin, 9%-11% lead, less than 0.35% iron, and meeting the requirements of SAE standard 792 for Bearing and Bushing Alloys, the second layer consisting of 45%-55% lead, 3%-5% molybdenum disulfide, with a balance (approx. 40%-52%) of polytetrafluorethylene ("PTFE").
- Carbon steel coil or strip, measuring 1.93 millimeters or 2.75 millimeters (0.076 inches or 0.108 inches) in thickness, 87.3 millimeters or 99 millimeters (3.437 inches or 3.900 inches) in width, with a low carbon steel back comprised of: carbon under 8%, manganese under 0.4%, phosphorous under 0.04%, and sulfur under 0.05%; clad with aluminum alloy comprised of: 0.7% copper, 12% tin, 1.7% lead, 0.3% antimony, 2.5% silicon, 1% maximum total other (including iron), and remainder aluminum.
- Carbon steel coil or strip, clad with aluminum, measuring 1.75 millimeters (0.069 inches) in thickness, 89 millimeters or 94 millimeters (3.500 inches or 3.700 inches) in width, with a low carbon steel back comprised of: carbon under 8%, manganese under 0.4%, phosphorous under 0.04%, and sulfur under 0.05%; clad with aluminum alloy comprised of: 0.7% copper, 12% tin, 1.7% lead, 2.5% silicon, 0.3% antimony, 1% maximum total other (including iron), and remainder aluminum.
- Certain corrosion-resistant carbon steel products meeting the following specifications: (1) widths ranging from 10 millimeters (0.394 inches) through 100 millimeters (3.94 inches); (2) thicknesses, including coatings, ranging from 0.11 millimeters (0.004 inches) through 0.60 millimeters (0.024 inches); and (3) a coating that is from 0.003 millimeters (0.00012 inches) through 0.005 millimeters (0.000196 inches) in thickness and that is comprised of either two evenly applied layers, the first layer consisting of 99% zinc, 0.5% cobalt, and 0.5% molybdenum, followed by a layer consisting of chromate, or three evenly applied layers, the first layer consisting of 99% zinc, 0.5% cobalt, and 0.5% molybdenum, followed by a layer consisting of chromate, and finally a layer consisting of silicate.
- Carbon steel flat products measuring 1.84 mm in thickness and 43.6 mm or 16.1 mm in width consisting of carbon steel coil (SAE 1008) clad with an aluminum alloy that is balance aluminum, 20% tin, 1% copper, 0.3% silicon, 0.15% nickel, less than 1% other materials and meeting the requirements of SAE standard 783 for Bearing and Bushing Alloys.

- Carbon steel flat products measuring 0.97 mm in thickness and 20 mm in width consisting of carbon steel coil (SAE 1008) with a two-layer lining, the first layer consisting of a copper-lead alloy powder that is balance copper, 9% to 11% tin, 9% to 11% lead, less than 1% zinc, less than 1% other materials and meeting the requirements of SAE standard 792 for Bearing and Bushing Alloys, the second layer consisting of 45% to 55% lead, 38% to 50% PTFE, 3% to 5% molybdenum disulfide and less than 2% other materials.
- Certain corrosion-resistant carbon steel flat products that are deep-drawing carbon steel strip, roll-clad on both sides with aluminum (AlSi) foils in accordance with St3 LG as to EN 10139/10140. The merchandise's chemical composition encompasses a core material of U St 23 (continuous casting) in which carbon is less than 0.08; manganese is less than 0.30; phosphorous is less than 0.20; sulfur is less than 0.015; aluminum is less than 0.01; and the cladding material is a minimum of 99% aluminum with silicon/copper/iron of less than 1%. The products are in strips with thicknesses of 0.07mm to 4.0mm (inclusive) and widths of 5mm to 800mm (inclusive). The thickness ratio of aluminum on either side of steel may range from 3%/94%/3% to 10%/80%/10%.
- Certain shadow mask steel, which is aluminum killed cold-rolled steel coil that is open coil annealed, has an ultra-flat, isotropic surface, and which meets the following characteristics: thickness: 0.001 to 0.010 inch, width: 15 to 32 inches, chemical composition: carbon content less than 0.002 percent, by weight.
- Certain flapper valve steel, which is hardened and tempered, surface polished, and which meets the following characteristics: thickness: less than or equal to 1.0 mm; width: less than or equal to 152.4 mm; chemical composition: carbon content greater than or equal to 0.90 percent and less than or equal to 1.05 percent, by weight; silicon content greater than or equal to 0.15 percent and less than or equal to 0.35 percent by weight; magnesium content greater than or equal to 0.30 percent and less than or equal to 0.50 percent, by weight; phosphorus content of less than or equal to 0.03 percent, by weight; and sulphur content less than or equal to 0.006 percent, by weight; mechanical properties: tensile strength greater than or equal to 162 KgF/square mm; hardness greater than or equal to 475 Vickers hardness number; physical properties: flatness less than 0.2 percent of nominal strip width; microstructure: completely free from decarburization. Carbides are spheroidal and fine within 1 percent to 4 percent (area percentage) and are undissolved in the uniform tempered martensite; non-metallic inclusion: sulfide inclusion with area percentage less than or equal to 0.04 percent, and oxide inclusion with area percentage less than or equal to 0.05 percent; compressive stress: 10 to 40 KgF/square mm; surface roughness specifications: if thickness is less than or equal to 0.209 mm, will have roughness (RZ) less than or equal to 0.5 micrometer; if thickness is greater than 0.209 mm but less than or equal to 0.310 mm, will have roughness (RZ) of less than or equal to 0.6 micrometer; if thickness is greater than 0.310 mm but less than or equal to 0.440 mm, will have roughness (RZ) less than or equal to 0.7 micrometer; if thickness is greater than 0.440 mm but less than or equal to 0.560 mm, will have roughness (RZ) less than or equal to 0.8

micrometer; if thickness is greater than 0.560 mm, will have roughness (RZ) less than or equal to 1.0 micrometer.

- Certain ultra thin gauge steel strip, which meets the following characteristics: thickness less than or equal to 0.100 mm (+/- 7 percent), width: 100 to 600 mm; chemical composition: carbon content less than or equal to 0.07 percent by weight; manganese content greater than or equal to 0.2 but less than or equal to 0.5 percent by weight; phosphorus content less than or equal to 0.05 percent by weight; sulphur content less than or equal to 0.05 percent by weight; aluminum content less than or equal to 0.07 percent by weight; with the balance iron; mechanical properties: hardness equals full hard (HV 180 minimum); total elongation less than 3 percent; and tensile strength of 600 to 850 n/square mm. Physical properties: surface finish less than or equal to 0.3 micron; camber (in 2.0 m) less than 3.0 mm; flatness (in 2.0 m) less than or equal to 0.5 mm; edge burr less than 0.01 mm greater than thickness; and coil set (in 1.0 m) less than 75.0 mm.
- Certain silicon steel, which meets the following characteristics: thickness: 0.024 inch +/- 0.0015 inch; width: 33 inches to 45.5 inches; chemical composition: minimum silicon content of 0.65 percent, by weight, maximum carbon content of 0.004 percent, by weight, maximum manganese content of 0.4 percent, by weight; maximum phosphorus content of 0.09 percent, by weight, maximum sulphur content of 0.009 percent, by weight; maximum aluminum content of 0.4 percent, by weight. Mechanical properties: hardness of B 60-75 (aim 65); physical properties: smooth finish (30 - 60 microinches), gamma crown (in 5 inches) of 0.0005 inches, with measurement beginning one-quarter inch from slit edge; flatness of 20 i-unit maximum; coating of c3a - 0.08a maximum (A2 coating acceptable); camber (in any 10 feet) of one-sixteenth inch; coil size inside diameter of 20 inches. Magnetic properties: core loss (1.5t/60 HZ) NAAS of 3.8 watts/pound maximum. Permeability (1.5t/60 HZ) NAAS of 1700 gauss/oersted typical 1500 minimum.
- Certain aperture mask steel, which has an ultra-flat surface flatness and which meets the following characteristics: thickness: 0.025 mm to 0.245 mm; width: 381 mm - 1000 mm; chemical composition: carbon content of less than 0.01 percent, by weight, nitrogen content greater than or equal to 0.004 and less than or equal to 0.007 percent, by weight, and aluminum content of less than 0.007 percent, by weight.
- Certain annealed and temper-rolled cold-rolled continuously cast steel, which meets the following characteristics: chemical composition: carbon content of minimum 0.02 and maximum 0.06 percent, by weight; manganese content of minimum 0.20 and maximum 0.40 percent, by weight; maximum phosphorus content of 0.02 percent, by weight; maximum sulphur content of 0.023 (aiming 0.018 maximum) percent, by weight; maximum silicon content of 0.03 percent, by weight; minimum aluminum content of 0.03 percent, by weight and maximum 0.08 (aiming 0.05) percent, by weight; maximum arsenic content of 0.02 percent, by weight; maximum copper content of 0.08 percent, by weight; nitrogen content of minimum 0.003 percent, by weight and maximum 0.008 (aiming 0.005) percent, by weight. Non-metallic inclusions:

examination with the S.E.M. shall not reveal individual oxides greater than 1 micron (0.000039 inch) and inclusion groups or clusters shall not exceed 5 microns (0.000197 inch) in length. Surface treatment as follows: the surface finish shall be free of defects (digs, scratches, pits, gouges, slivers, etc.) and suitable for nickel plating. Surface finish shall be extra bright with roughness, of 0 RA microinches (0 micrometers) to 7 RA microinches (0.2 micrometers) with an aim of 5 microinches (0.1 micrometers).

- Certain annealed and temper-rolled cold-rolled continuously cast steel, in coils, with a base weight of 55 pounds, which includes a certificate of analysis per cable systems international (CSI) specification 96012 and meets the following characteristics: chemical composition: maximum carbon content of 0.13 percent, by weight; maximum manganese content of 0.60 percent, by weight; maximum phosphorous content of 0.02 percent by weight; maximum sulfur content of 0.05 percent, by weight; additional properties: theoretical thickness of 0.0061 inch, +/- 10 percent of theoretical thickness; width of 31 inches; tensile strength of 45,000 to 55,000 psi; and elongation of a minimum of 15 percent in 2 inches.
- Concast cold-rolled drawing quality sheet steel, ASTM a-620-97, Type B, or single reduced black plate, ASTM A-625-92, Type D, T-1, ASTM A-625-76 and ASTM A-366-96, T1-T2-T3 commercial bright/luster 7A both sides, RMS 12 maximum. Thickness range of 0.0088 to 0.038 inches, width of 23.0 inches to 36.875 inches.
- Certain single reduced black plate, meeting ASTM A-625-98 specifications, 53 pound base weight (0.0058 inch thick) with a temper classification of T-2 (49-57 hardness using the Rockwell 30 T scale).
- Certain single reduced black plate, meeting ASTM A-625-76 specifications, 55 pound base weight, MR type matte finish, TH basic tolerance as per A263 trimmed.
- Certain single reduced black plate, meeting ASTM A-625-98 specifications, 65 pound base weight (0.0072 inch thick) with a temper classification of T-3 (53-61 hardness using the Rockwell 30 T scale).
- Certain cold-rolled black plate bare steel strip, meeting ASTM A-625 specifications, which meet the following characteristics: thickness: 0.0058 inch +/- 0.0003 inch; chemical composition: maximum carbon content of 0.13 percent, by weight; maximum manganese content of 0.60 percent, by weight; maximum phosphorous content of 0.02 percent, by weight; maximum sulfur content of 0.05 percent, by weight; mechanical properties: hardness: T2/hr 30t 50-60 aiming; elongation of greater or equal to fifteen percent; and tensile strength aiming for 51,000 psi +/- 4,000 psi.
- Certain cold-rolled black plate bare steel strip, in coils, meeting ASTM A-623, table ii, Type MR specifications, which meet the following characteristics: thickness: 0.0060 inch +/- 0.0005 inch; width of up to and including 10 inches +1/4 to 3/8 inch/-0; chemical composition:

maximum carbon content of 0.13 percent, by weight; maximum manganese content of 0.60 percent, by weight; maximum phosphorous content of 0.04 percent, by weight; maximum sulfur content of 0.05 percent, by weight; mechanical properties: elongation of 15 percent in 2 inches, minimum; and tensile strength of 55,000 psi maximum.

- Certain "blued steel" coil (also know as "steamed blue steel" or "blue oxide") with a thickness and size of 0.30 mm x 0.42 mm and width of 609 mm to 1219 mm, in coil form.
- Certain cold-rolled steel sheet, coated with porcelain enameling prior to importation, which meets the following characteristics: nominal thickness: less than or equal to 0.019 inch; width of 35 inches to 60 inches; chemical composition: maximum carbon content of 0.004 percent, by weight; minimum oxygen content of 0.010 percent, by weight; and minimum boron content of 0.012 percent, by weight.
- Certain cold-rolled steel, which meets the following characteristics: width: greater than 66 inches; chemical composition: maximum carbon content of 0.07 percent, by weight; maximum manganese content of 0.67 percent, by weight; maximum phosphorous content of 0.14 percent, by weight; maximum silicon content of 0.03 percent, by weight; physical and mechanical properties: thickness range of 0.800 to 2.000 mm; yield point (MPA) of 265 to 365; minimum tensile strength (MPA) of 440; and minimum elongation of 26 percent.
- Certain band saw steel, which meets the following characteristics: thickness less than or equal to 1.31 mm; width less than or equal to 80 mm; chemical composition: carbon content of 1.2 to 1.3 percent by weight; silicon content of 0.15 to 0.35 percent by weight; manganese content of 0.20 to 0.35 percent by weight; phosphorus content less than or equal to 0.03 percent by weight; sulphur content less than or equal to 0.007 percent by weight; chromium content of 0.30 to 0.5 percent by weight; and nickel content less than or equal to 0.25 percent by weight. Other properties: carbide: fully spheroidized having greater than 80 percent of carbides, which are less than or equal to 0.003 mm and uniformly dispersed; surface finish: bright finish free from pits, scratches, rust, cracks, or seams; smooth edges; edge camber (in each 300 mm of length) of less than or equal to 7 mm arc height; and cross bow (per inch of width)of 0.015 mm max.
- Certain transformation-induced plasticity (trip) steel, which meets the following characteristics:
 - Variety 1: chemical composition: carbon content of 0.09 to 0.13 percent, by weight; silicon content of 1.0 to 2.1 percent, by weight; manganese content of 0.90 to 1.7 percent, by weight; physical and mechanical properties: thickness range of 1.000 to 2.300 mm (inclusive); yield point (MPA) of 320 to 480; minimum tensile strength (MPA) of 590; minimum elongation of 24 percent if 1.000 to 1.199 mm thickness range; minimum elongation of 25 percent if 1.200 to 1.599 mm thickness range; minimum elongation of 26 percent if 1.600 to 1.999 mm thickness range; and minimum elongation of 27 percent if 2.000 to 2.300 mm thickness range;

- Variety 2: chemical composition: carbon content of 0.12 to 0.16 percent, by weight; silicon content of 1.5 to 2.1 percent, by weight; manganese content of 1.1 to 1.9 percent, by weight; physical and mechanical properties: thickness range of 1.000 to 2.300 mm (inclusive); yield point (MPA) of 340 to 520; minimum tensile strength (MPA) of 690; minimum elongation of 21 percent if 1.000 to 1.199 mm thickness range; minimum elongation of 22 percent if 1.200 to 1.599 mm thickness range; minimum elongation of 23 percent if 1.600 to 1.999 mm thickness range; and minimum elongation of 24 percent if 2.000 to 2.300 mm thickness range;
- Variety 3: chemical composition: carbon content of 0.13 to 0.21 percent, by weight; silicon content of 1.3 to 2.0 percent, by weight; manganese content of 1.5 to 2.0 percent, by weight; physical and mechanical properties: thickness range of 1.200 to 2.300 mm (inclusive); yield point (MPA) of 370 to 570; minimum tensile strength (MPA) of 780; minimum elongation of 18 percent if 1.200 to 1.599 mm thickness range; minimum elongation of 19 percent if 1.600 to 1.999 mm thickness range; and minimum elongation of 20 percent if 2.000 to 2.300 mm thickness range.
- Certain cold-rolled steel, which meets the following characteristics:
 - Variety 1: chemical composition: maximum carbon content of 0.10 percent, by weight; maximum manganese content of 0.40 percent, by weight; maximum phosphorous content of 0.10 percent, by weight; copper content of 0.15 to 0.35 percent, by weight; physical and mechanical properties: thickness range of 0.600 to 0.800 mm; yield point (MPA) of 185 to 285; minimum tensile strength (MPA) of 340; and minimum elongation of 31 percent (ASTM standard 31 percent equals JIS standard 35 percent);
 - Variety 2: chemical composition: maximum carbon content of 0.05 percent, by weight; maximum manganese content of 0.40 percent, by weight; maximum phosphorous content of 0.08 percent, by weight; copper content of 0.15 to 0.35 percent, by weight; physical and mechanical properties: thickness range of 0.800 to 1.000 mm; yield point (MPA) of 145 to 245; minimum tensile strength (MPA) of 295; and minimum elongation of 31 percent (ASTM standard 31 percent equals JIS standard 35 percent);
 - Variety 3: chemical composition: maximum carbon content of 0.01 percent, by weight; maximum silicon content of 0.05 percent, by weight; maximum manganese content of 0.40 percent, by weight; maximum phosphorous content of 0.10 percent, by weight; maximum sulfur content of 0.023 percent, by weight; copper content of 0.15 to 0.35 percent, by weight; maximum nickel content of 0.35 percent, by weight; maximum aluminum content of 0.10 percent, by weight; maximum niobium content of 0.10 percent, by weight; maximum titanium content of 0.10 percent, by weight; maximum vanadium content of 0.10 percent, by weight; maximum boron content of 0.10 percent, by weight; maximum molybdenum content of 0.30 percent, by weight; physical and

mechanical properties: thickness of 0.7 mm; and elongation of greater than or equal to 35 percent.

- Certain porcelain enameling sheet, drawing quality, in coils, 0.014 inch in thickness, +0.002, -0.000, meeting ASTM A-424-96 type 1 specifications, and suitable for two coats.

Certain Tin-Mill Flat-Rolled Products. The following tin-mill flat-rolled products are outside and/or specifically excluded from the scope of this request.

- Single reduced electrolytically chromium coated steel with a thickness 0.238 mm (85 pound base box) ($\pm 10\%$) or 0.251 mm (90 pound base box) ($\pm 10\%$) or 0.255 mm ($\pm 10\%$) with 770 mm (minimum width) (-0/+1.588 mm) by 900 mm (maximum length if sheared) sheet size or 30.6875 inches (minimum width) (-0/+1/16 inch) and 35.4 inches (maximum length if sheared) sheet size; with type MR or higher (per ASTM) A623 steel chemistry; batch annealed at T 21/2 anneal temper, with a yield strength of 31 to 42 kpsi (214 to 290 Mpa); with a tensile strength of 43 to 58 kpsi (296 to 400 Mpa); with a chrome coating restricted to 32 to 150 mg/m² with a chrome oxide coating restricted to 6 to 25 mg/m² with a modified 7B ground roll finish or blasted roll finish; with roughness average (Ra) 0.10 to 0.35 micrometers, measured with a stylus instrument with a stylus radius of 2 to 5 microns, a trace length of 5.6 mm, and a cut-off of 0.8 mm, and the measurement traces shall be made perpendicular to the rolling direction; with an oil level of 0.17 to 0.37 grams/base box as type BSO, or 2.5 to 5.5 mg/m² as type DOS, or 3.5 to 6.5 mg/m² as type ATBC; with electrical conductivity of static probe voltage drop of 0.46 volts drop maximum, and with electrical conductivity degradation to 0.70 volts drop maximum after stoving (heating to 400 degrees F for 100 minutes followed by a cool to room temperature).
- Single reduced electrolytically chromium- or tin-coated steel in the gauges of 0.0040 inch nominal, 0.0045 inch nominal, 0.0050 inch nominal, 0.0061 inch nominal (55 pound base box weight), 0.0066 inch nominal (60 pound base box weight), and 0.0072 inch nominal (65 pound base box weight), regardless of width, temper, finish, coating or other properties.
- Single reduced electrolytically chromium coated steel in the gauge of 0.024 inch, with widths of 27.0 inches or 31.5 inches, and with T-1 temper properties.
- Single reduced electrolytically chromium coated steel, with a chemical composition of 0.005% max carbon, 0.030% max silicon, 0.25% max manganese, 0.025% max phosphorous, 0.025% max sulfur, 0.070% max aluminum, and the balance iron, with a metallic chromium layer of 70-130 mg/m², with a chromium oxide layer of 5-30 mg/m², with a tensile strength of 260-440 N/mm²; with an elongation of 28-48%, with a hardness (HR-30T) of 40-58, with a surface roughness of 0.5-1.5 microns Ra, with magnetic properties of Bm (KG) 10.0 minimum, Br (KG) 8.0 minimum, Hc (Oe) 2.5-3.8, and μ 1400 minimum, as measured with a Riken Denshi DC magnetic characteristic measuring machine, Model BHU-60.

- Electrolytically chromium coated steel having ultra flat shape defined as oil can maximum depth of 5/64 inch (2.0 mm) and edge wave maximum of 5/64 inch (2.0 mm) and no wave to penetrate more than 2.0 inches (51.0 mm) from the strip edge and coilset or curling requirements of average maximum of 5/64 inch (2.0 mm) (based on six readings, three across each cut edge of a 24 inches (61 cm) long sample with no single reading exceeding 4/32 inch (3.2 mm) and no more than two readings at 4/32 inch (3.2 mm)) and (for 85 pound base box item only: crossbuckle maximums of 0.001 inch (0.0025 mm) average having no reading above 0.005 inch (0.127 mm)), with a camber maximum of 1/4 inch (6.3 mm) per 20 feet (6.1 meters), capable of being bent 120 degrees on a 0.002 inch radius without cracking, with a chromium coating weight of metallic chromium at 100 mg/square meter and chromium oxide of 10 mg/square meter, with a chemistry of 0.13% maximum carbon, 0.60% maximum manganese, 0.15% maximum silicon, 0.20% maximum copper, 0.04% maximum phosphorous, 0.05% maximum sulfur, and 0.20% maximum aluminum, with a surface finish of Stone Finish 7C, with a DOS-A oil at an aim level of 2 mg/square meter, with not more than 15 inclusions/foreign matter in 15 feet (4.6 meters) (with inclusions not to exceed 1/32 inch (0.8 mm) in width and 3/64 inch (1.2 mm) in length), with thickness/temper combinations of either 60 pound base box (0.0066 inch) double reduced CADR8 temper in widths of 25.00 inches, 27.00 inches, 27.50 inches, 28.00 inches, 28.25 inches, 28.50 inches, 29.50 inches, 29.75 inches, 30.25 inches, 31.00 inches, 32.75 inches, 33.75 inches, 35.75 inches, 36.25 inches, 39.00 inches, or 43.00 inches, or 85 pound base box (0.0094 inch) single reduced CAT4 temper in widths of 25.00 inches, 27.00 inches, 28.00 inches, 30.00 inches, 33.00 inches, 33.75 inches, 35.75 inches, 36.25 inches, or 43.00 inches, with width tolerance of $\pm 1/8$ inch, with a thickness tolerance of ± 0.0005 inch, with a maximum coil weight of 20,000 pounds (9071.0 kg), with a minimum coil weight of 18,000 pounds (8164.8 kg) with a coil inside diameter of 16 inches (40.64 cm) with a steel core, with a coil maximum outside diameter of 59.5 inches (151.13 cm), with a maximum of one weld (identified with a paper flag) per coil, with a surface free of scratches, holes, and rust.