



GAYA SPECIAL STEEL CORPO- RATION

Plate | Seamless Pipe | Flange | Elbow | Round bar | Bolt & Nut | Forged Billet

Gaya Special Steel Corporation

Plate
Seamless Pipe
Flange
Fitting
Round Bar
Bolt & Nut
Forged Billet

PREFACE

It is our pleasure to publish our new catalogue in the year of the RAT, the 1st in a cycle of 12 consecutive years, standing for spirit of ENDURANCE & HARD WORK!

With this attitude we have served many customers in the world since the year 1999 in which our company was founded.

We express our gratitude to our many loyal clients and trust that we can serve them - and many new ones - in the new era ahead of us. We have been, and want to remain a frontier in the fields of special material technologies, especially duplex/super duplex, non-commodity stainless steels & high Nickel alloyed materials, in the forms of quarto plates, pipes, piping components of fitting and flange, bars, billets, blooms, ingots, forged & related products.

New materials and services are added, as well as new locations to support the increasing demands, in the 2nd half of 2008, our offices in the Middle East and Europe become operational.

Co-shared warehouses are planned operational in 2009 in Malaysia - Arykin Special Steel Sdn Bhd - and in Thailand - J & J Advanced products Co., Ltd.

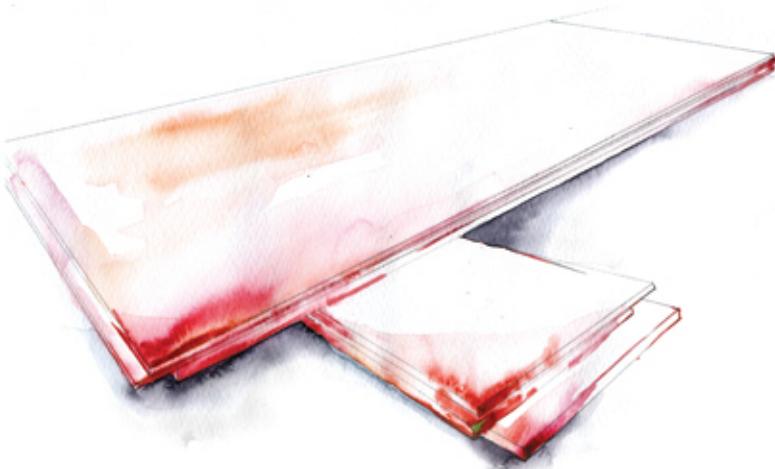
Equipped with more than 6,000 tons of daily stocks in our products, in 2 warehouses in Busan, South Korea, we are totally prepared & keen to be a good & reliable partner to you, as a total solutioner in the World of special steels.

We hope you can find more detailed information on our capabilities in supply, know-how and of course.... SERVICES, in the pages to follow, good enough for you to remember us for your demands tomorrow.

Busan, August 2008

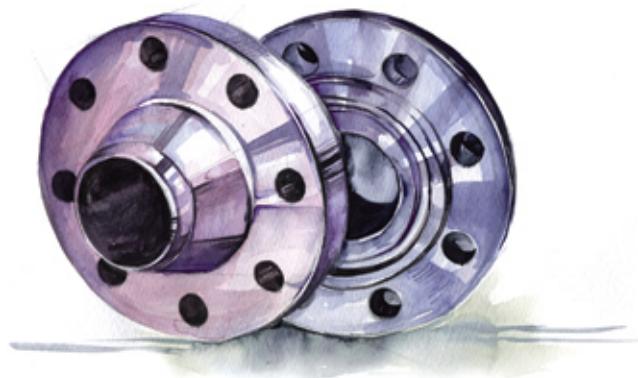
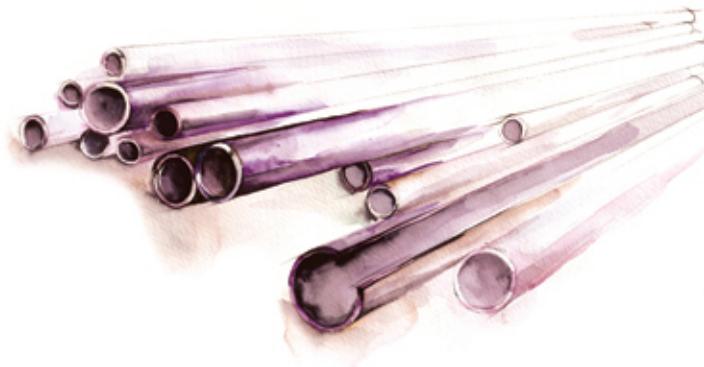
Hogeon, Im
CEO & president
GAYA SPECIAL STEEL CORP.

ARE YOU LOOKING FOR.....



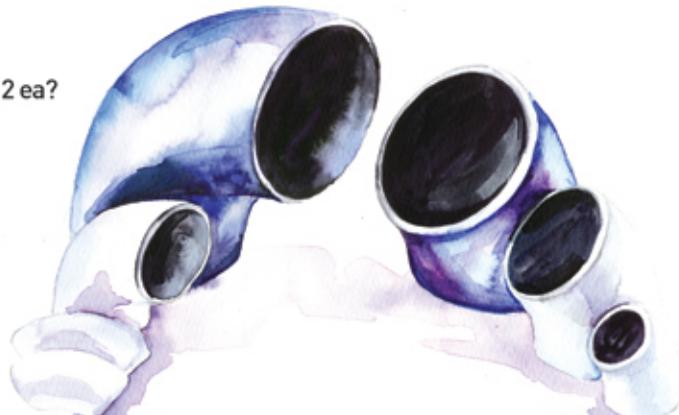
Duplex 2205 plate, 12.7 t x 2000 x 6000mm 5 pieces?
Super duplex 2507 cut pieces, 25.4 t x 500 x 700m 3 pieces?

S
Seamless pipe A312 TP304H 6" NB x S/40S x 6M 12 pcs?
Or, cut pieces 321H Seamless 12" NB x S/160 x 600mm L
Incoloy 800H heater tubings, 5" NB x S/40 x 11M long?



F
Flanges to connect 254SMO 4" NB x S/40S pipe, #150 WNRF
4" X s/40s 12 ea? Or, Long Welding Neck flange C276
#300 3/4" x S/40 2 ea?

E
Elbows 90 deg long WP91 12" x S/XX-S 8 ea,
And Tees reducing WP22 20" x S/80 seamless 12 ea?
A860 WPHY 65 or 70 elbows & tees?



Or, 180 deg return short **347H 5"** x S/40S 88 ea??



Often, you would happen to need very urgent round bar Cut pieces in **Alloy 20 / N08020**, 101.6mm Dia, to machine Weldolet or Sockolet 12" x 2-1/2" x S/40...



Are you in a difficulty in sourcing INGOT or Blooms for hot forging them for blocks for flanges and barrels, in alloy **904L** or **Alloy 317L**?? Forged billets alloy **600** or **825** for reforging to blanks to be machined to Flanges.

Count on us, profitable partner to you....

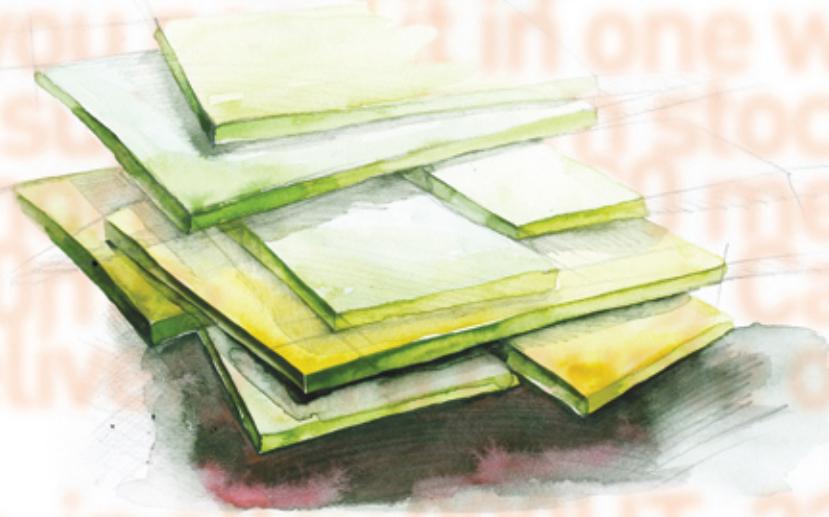
Do you look for.....

D o you look for.....

2 pcs cut plate blank 2205 duplex 50 t x 1805 OD

x 1550 IDmm and you need it in one week??

Yes, Gaya can do supply it from stock... We have sheet / plates in 2205, more than 1,200 metric tons daily stock from 1.5mm to 70mm thickness. Capable of responding to your urgent delivery in a couple of days or one week.....



D o you look for.....

EFW welded pipe, in alloy 800HT, 22" NB x S/403 meter long?

Gaya can supply the pipe in 3 weeks, counting on the in-house bending machine, employing our stock of plates 19.05mm t.....

Laser or plasma cut, pressing or bending, beveling edge, SAW or TIG welding, heat treatment, sizing, NDT, pickling, marking....

All these operations only in 3 or 4 weeks??? Yes, we do.....



A re you also in an urgent demand for.....

9ea 2507/F53 A182 #1500 8" NB x S/40S Welding Neck, RTJ flanges???

Yes, Gaya can supply in 2 weeks by machining stocked blank, or within 4 weeks latest, by employing our own billets stocks, calling for one week in hot forging & heat treatment, one week or 10 days for machining, and the very last one week for final inspection, packaging... Similarly, flanges of alloy 20, 2205, 321H, 347H, 304H, 316H, 410/S, 904L, 825, 800H/T, F44, 625, 600, alloy 400, name it... can also be performed.



Oil & gas industries are booming around the world, requiring special Steels, WPHY 65 or 70, high strength carbon steels are in a peak demand. Elbows, tees, seamless pipes, flanges in X65 and X70 are among our regular favorites..... together with duplex families.

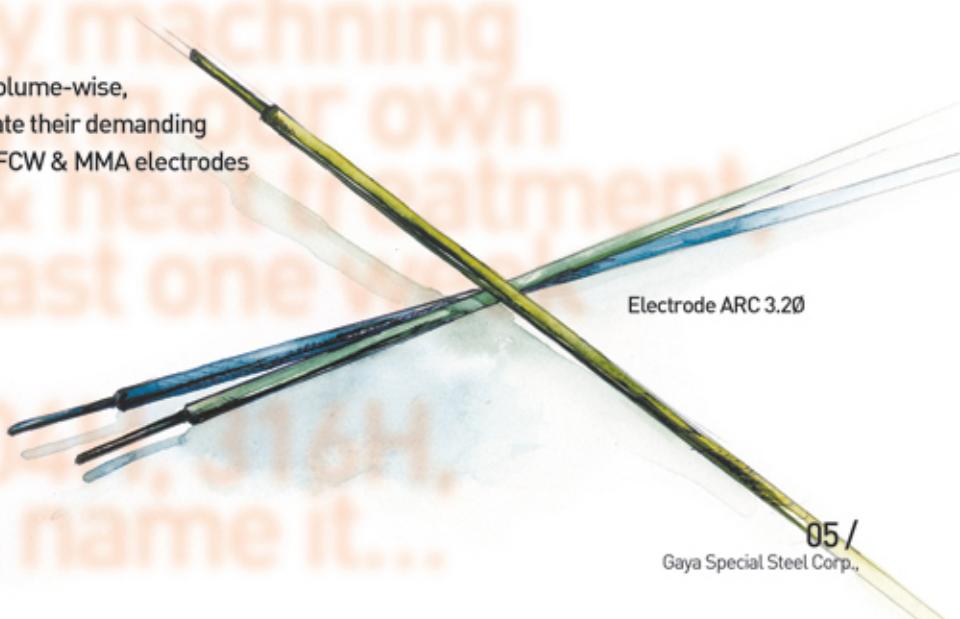


Drilled or perforated Elliptical formed heads 2:1 or full dome, Explosive clad tube sheets, perforated plate are also a few of our competitivenesses. C-Mn steel plates, Cr-Mo steel alloys plates, stainless steel plates, Cupronickel alloys plates, duplex & super duplex stainless plates, high alloys & nickel alloys are the basement where we try to serve our clients in petrochemical & chemical industries, pharmaceutical equipment fabricators, oil & gas industries, OFF & ON shore facilities, power plants equipments, water & environmental industries are the fields where our services go to.....



2205 Duplex 2:1 Hemi HEAD 35t x Ø 2800 x 655

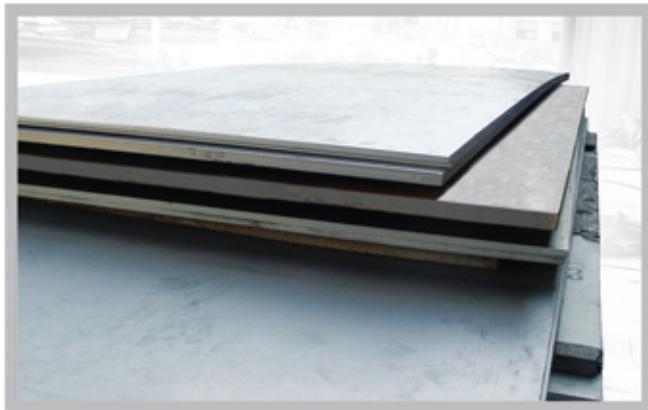
Welding consumables are not important volume-wise, but are very crucial for our customers to fabricate their demanding equipments. We keep consumables, TIG, MIG, FCW & MMA electrodes in high alloyed & special grades.



Electrode ARC 3.20

PLATE Hot Rolled Quarto Plates

Plates are today the base for all the fabrication industries, employing them as a starting stock for fabrications, from Pressure vessels, Column, Chemical & Petrochemical equipments, welded pipes, to Elbows, Tees.... A thousand different applications around us. Gaya Special Steel carry a vast quantity of Quarto hot rolled plates in various assortments of alloys, DUPLEX & SUPER DUPLEX, AUSTENITIC STAINLESS GRADES, SUPER AUSTENITIC STAINLESSSES, HIGH NICKEL ALLOYS, LOW ALLOYED CR-MO STEELS, FERRITIC/MARTENSITIC STAINLESS STEELS, PRECIPITATION HARDENABLE STEELS..... and still more.



Coil Sheet (2B)

Stock standard demensions

1000 x 2000

1219 x 2438 / 1219 x 3048

1524 x 3048 / 1524 x 6096

1500 x 3000 / 1500 x 6000

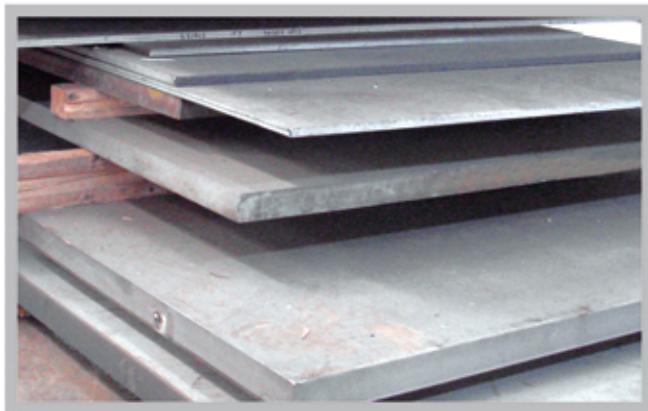
2000 x 6000

Thickness

Nickel alloys 0.5mm - 4.76 mm t

Duplex family 1.0mm - 3.0 mm t

Ferritic stainless 2.0mm - 3.0 mm t



Hot Rolled Coil Sheet (No1)

Stock standard dimensions

1219 x 2438 / 1219 x 3048 / 1219 x 6096

1524 x 3048 / 1524 x 6096

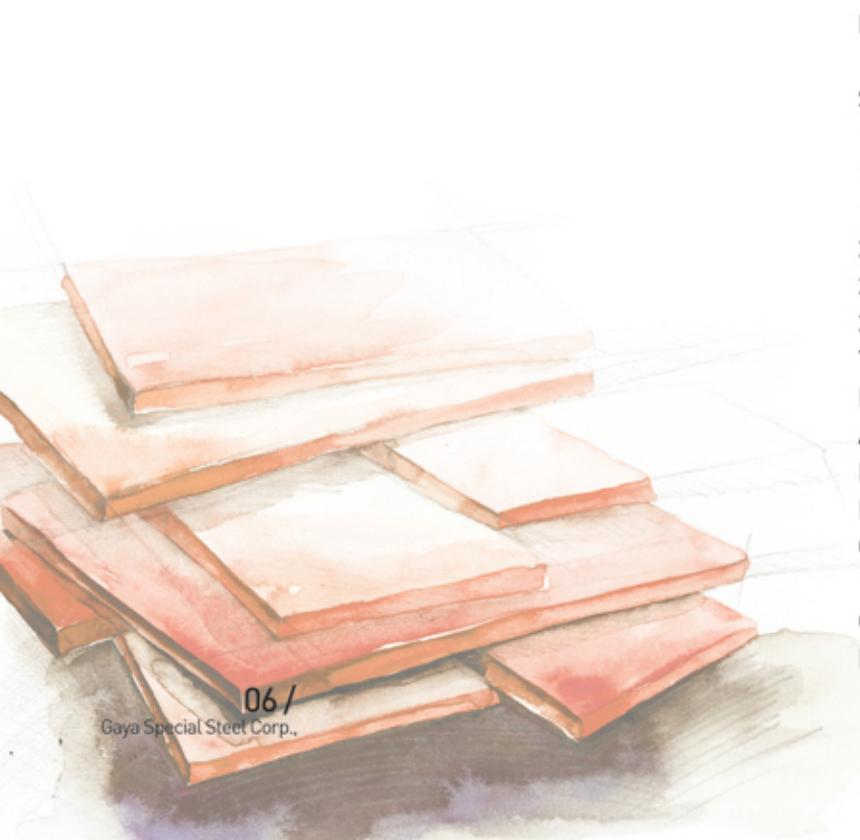
2000 x 6000 / 2438 x 6096

Thickness

Austenitic stainless steels 3.0 - 12.7 mm t

Duplex family 3.0 - 8.0 mm t

Ferritic stainless 3.0 - 8.0 mm t



Hot Rolled Quarto Plate

Stock standard dimensions

1219 x 2438 / 1219 x 3048 / 1219 x 6096

1524 x 3048 / 1524 x 6096

1829 x 6096

2000 x 6000 / 2000 x 7000

2200 x 7000

2438 x 6096 / 2500 x 6000

Thickness

Nickel alloys 4.76mm - 25.4 mm t

Austenitic stainless 6.0mm - 90 mm t

Duplex family 5.0mm - 70 mm t

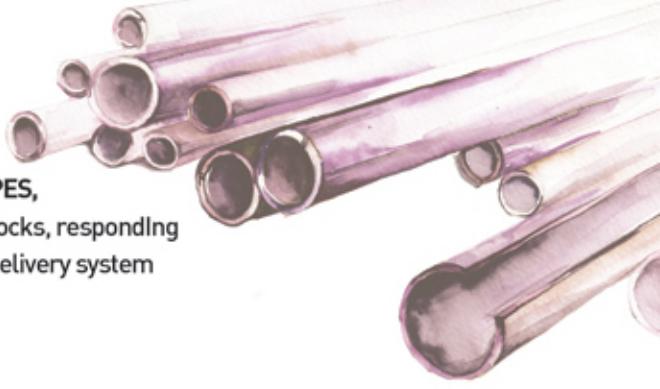
Ferritic stainless 6.0mm - 60 mm t

Cr-Mo alloyed steels 6.0mm - 70 mm t

C-Mn carbon, Cu-Ni alloys, other exotic alloys
Please make a contact with us.

PIPE Pipes, Seamless & Welded pipes,

Pipes, Seamless & Welded pipes, are the main part of processing industries, together with fittings, flanges and valves. Gaya keep **SEAMLESS & WELDED PIPES, ELBOWS, TEES, REDUCERS, FINISHED & SEMI FINISHED FLANGES**, in daily stocks, responding to URGENT demands in and around the nation, from stocks or within-4 weeks delivery system in our standard supply programmes' ranges.



Seamless Pipes

Stock standard dimensions

Duplex **2205** : 1/2" NB 12"NB

S/10S, 20, 40S, 80S, 100, 120, 160, XXS

S Duplex **2507** : 1/2"NB 8" NB

S/10s, 40S, 80S, 160

Austenitic stainless 12" NB 24" NB in major schedule

Super stainless **904L, 254, alloy 20, 1/2" 14" NB** In major schedules

Cr-Mo alloy steels 1/2" NB 24" NB in major schedule

Nickel alloys **800H/T, alloy 20, 200, 201, 400** in major sizes

Exotic alloys, **C276, C22, B2/B3, 600/601, 625/825,**

Please make a contact for details.



Welded ERW / EFW Pipes

Stock standard dimensions

Duplex **2205** : 2" NB 24" NB in all major schedules.

S Duplex **2507** : 6" NB 24" NB in major schedules

Austenitic stainless 4" NB 24" NB in major schedules

Super stainless **904L, 254, AL6XN** in major dimensions.

Nickel alloys **800H/T, alloy 20, 200, 201, 400** in major sizes

Exotic alloys **C276, C22, B2/B3, 600/601, 624/825...**

Please make a contact for details.

C-Mn carbon steels, Cr-Mo alloyed steels pipes can be

Be stocked at special agreement.



Special dimensions other than the ANSI norms can be ordered and manufactured by in-house facilities, on special request, with A VERY SHORT DELIVERY...

FITTING & FLANGES

Gaya has since long before supplied to the Ethylene heater furnace industries, the heater convections tubing components, in various dimensions and alloys.... Major are alloy 800H/T, 304H, 321H, 347H, low alloy P91, P9, P5, P22 and P11.....

Tubings, fittings and flanges are part of the main items in our list. In many cases, return bends 180 deg Short or Long radius are nut reaking to people in need for quick dispatch. We can supply in 3-4 weeks, Ecc, Reduce 347H 6" x 3" x S/40S....



Fittings

- 90 Deg SW
- 90 Deg LR & SR BW
- 45 Deg LR & SR BW
- 180 Deg SR & LR BW
- Tee / Reducing Tee BW & SW
- Reducers concentric & eccentric
- Stub Ends
- Cap
- Nipples / Couplings
- Outlets, Weldolet/Sockolet
- Elbolet / Flangolet



Flanges

- Welding Neck FF / RF Flanges
- Long Welding Neck Flanges
- Slip-on FF/RF Flanges
- Socket Welding Flanges
- High pressure RTJ Welding Neck Flanges
- Orifice flanges
- Spectacle flanges



Alloys

- Austenitic stainless steels
304/H, 316/H, 316Ti, 316LN, 317L, 317LN, 3221/H, 347/H, Duplex 2205, super duplex 2507, Zeron 100, 329J4L...
- Ferritic/martensitic stainless steels 410/S, 420, 440, 430...
- Super stainless 904L, 254SMO, AL6XN, Sanicro 28...
- Cr-Mo alloy steels, F1, F12, F11, F22, F23, F5, F9, F91, F92...
- High strength carbon steel F65, F70, F80...
- Low temp carbon steel LF2, Nickel alloy LF3...
- Nickel alloys, alloy 20, Monel 400 / K500, Nickel 200/201, 800H/T, 600/601, 825/625, C276/C22.....and more....

Please contact us for detailed tips.



ROUND BARS

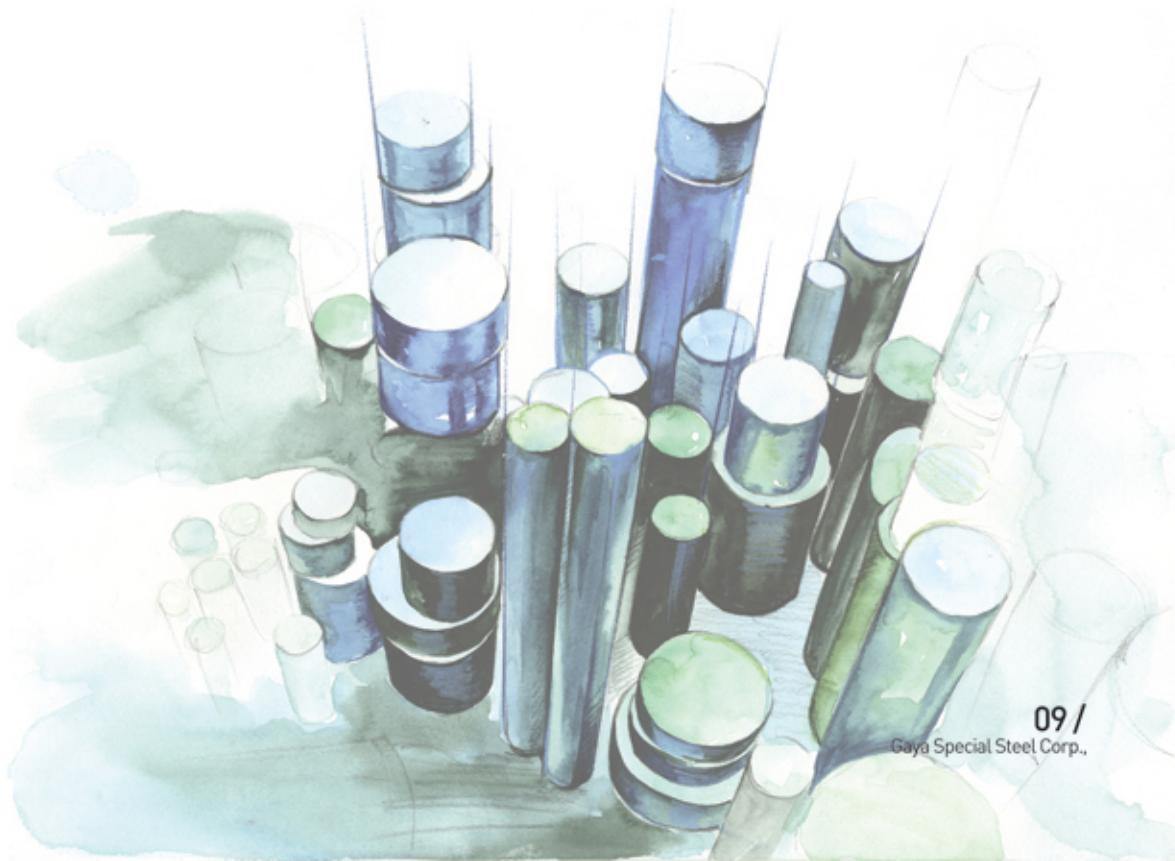
Bars, rolled or forged bar

Bars, rolled or forged bar, takes an important part in our stock list. Gaya carry in stock a lot of different alloys to comply with various demands from all industries, to machine all forms of precise components, from piping connectors, spray nozzles, bushes, barrels, couplings, and to bolts & Nuts....



Availability

Austenitic grades **304H, 321H, 347H** upto 250mm dia
Duplex 2205 10mm dia upto 380mm dia
S Duplex 2507 10mm dia upto 280mm dia
Super stainless **254, 904L** 10mm dia upto 250mm dia
317L upto 200mm dia
Alloy 20 & Monel 400 10mm dia upto 200mm dia
625 & 825 upto 220mm dia
C276 & C22 upto 200mm dia
Cr-Mo alloy steels upto 350mm dia
Inconel 718 12.7mm upto 250mm dia
Precipitation **630/631/XM-19** steels in major sizes
Other alloys e.g. Cu-Ni alloys please contact us.



PRIMARY PRODUCTS

Primary products like forged billets, blooms concast, ingots are also very important for us, as they are the pre-decisive factor to determine the final delivery to our clients. It is our concrete strategy that Gaya remain as a reliable and one-stop solutioner in special alloys, from quarto plates, pipes, bars, to fittings/flanges in a package, FROM STOCKS... OR very fast DELIVERY, for the sake of our in-house stocks of these primary materials in 2205, 2507, 6% Mo, 800H/T, 825, 321H, 347H, 400, 600, C276, A20, 625...



Forged billets

Forged billets : 150 x 150 sq.
250 x 250 sq.
265 x 365 rectangular
C.c. blooms : 265 x 365 rectangular
C.c. billets : 150 x 150 sq
Ingots : 3 ton / 5 ton / 8 ton / 10 ton



Special alloys & nickel alloys are available from stocks.
Duplex 2205
Super duplex 2507 / Zeron 100
Austenitic stainless 321/H, 347H, 317L, 316Ti, 316HMo
Super stainless 904L, 254SMO/F44...
Nickel Alloys, 800H/T, Alloy 20, 825, 600, 625,
Monel 400, C276.....
High strength carbon steel F70 / F80...
Other exotic special steels...
Please make a contact with us.



SERVICES

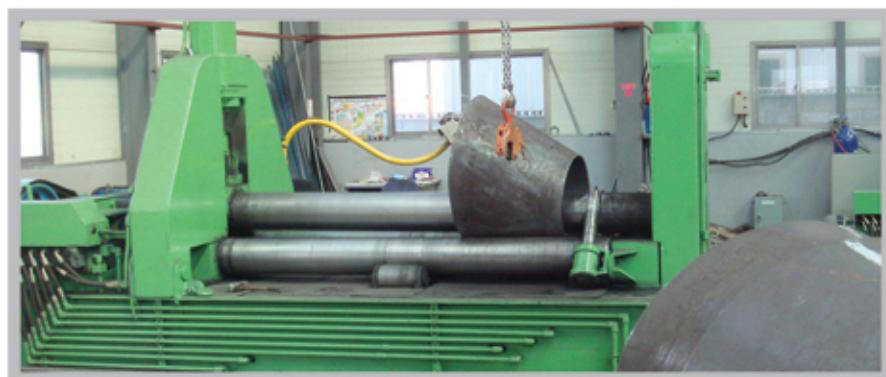


Cuttings

- Cuttings
- Plasma cuttings
- Laser cuttings
- Water jet cutting
- Saw cutting
- Shear cutting

Fabrications

- Non standard pipe fabrication
- Duct pipes
- Lug pipes, pipe supports.
- Pipe bending 3D, 4D, 5D... elbows
- Miter elbows
- Fittings
- Overlay weldings
- Perforated/filtered plates



Forgings

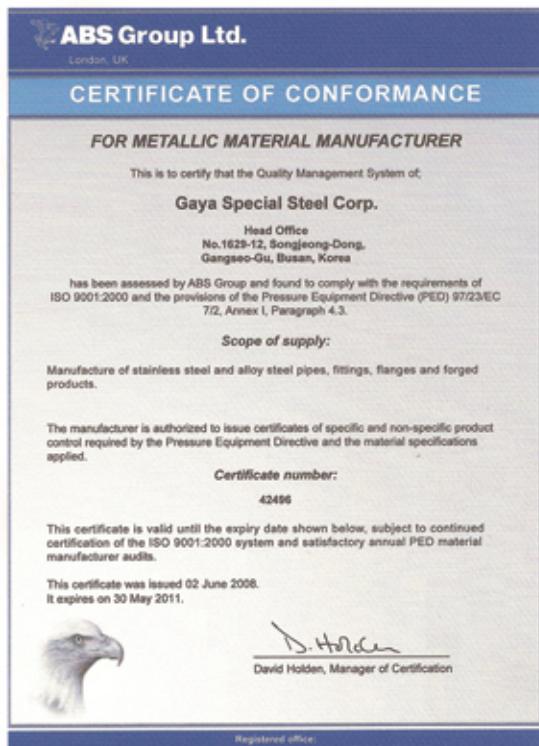
- Hot / cold forgings
- Flanges
- Seamless pipe barrels
- Forged & drilled pipes in special alloys
- Rings
- Forged shells

Machining

- Various fittings
- Outlets
- Special forms of machined part per drawings
- Nozzles
- Special tees, fittings
- Diaphragms, venturies, spray nozzles, connectors...
- Tube sheets
- Formed Caps, Elliptical heads.



Quality Assurance



All activities Gaya Special Steel is employing to perform your specific order are strictly controlled in accordance with our quality system ISO 9001:2001, and clients' specific requirements. Experienced personnel equipped with high yield devices can check your requirements in a proper manner.

PMI is a prerequisite test at all times before/on dispatch the good, each piece 100% irrespective of whether required or not...

Our quality systems suffice also European Petrochemical equipment requirements PED. In-house laboratory can perform to identify each grade, hardness & strength tests.

All our partners, machinery shops, forgers, fittings fabricator are listed only among the esteemed local manufacturers, who are well qualified by a renowned worldwide inspection parties.

Our quality concerned personnel are well experienced that delivery is very important, and price comes always in front other than else... it is true that a shortlisted product with quick dispatch is nothing but a garbage stuck without GUARANTEED QUALITY.

Nickel alloy

Alloys	UNS	DIN	Plate	Pipe	Bar	Fittings	Flange	Chemistry						T.S *Rm.	Y.S	E% min	Density	Welding Rod	Alloys
								C	Cr	Ni	Fe	Mo	Others						
Alloy 200	N02200	2.4066/2.4060	B162	B161/B163	B160	B366	B564	0.05	-	99.4	-	-	-	380	100	40	8.89	AWS ENi-1	Alloy 200
Alloy 201	N02201	2.4061/2.4068	B162	B161/B163	B160	B366	B564	0.02	-	99.4	-	-	-	345	80	40	8.89	AWS ENi-1	Alloy 201
Alloy 600	N06600	2.4816	B168	B163/B167	B166	B366	B564	0.15	15	76	8	-	-	550	240	30	8.47	AWS A5.11	Alloy 600
Alloy 601	N06601	2.4851	B168	B163/B167	B166	-	-	0.1	23	60.5	14	-	Al 1.5	550	205	30	8.11	AWS ENiCrCoMo-1	Alloy 601
Alloy 690	N06690	2.4642	B168	B167	B166	-	B564	0.05	29	61.5	9	-	-	586	240	30	8.19	-	Alloy 690
Alloy 800H/800HT	N08810/08811	1.4958/1.4876	B409	B407/B163	B408	B366	B564	0.08	21	32	46	-	Al+Ti	450	170	30	7.98	THERMET 800NB	Alloy 800H/800HT
Alloy 718	N07718	2.4688/2.4668	B670/AMS 5596	AMS 5589/5590	AMS 5562/B637	-	B637	0.08	18	54	18	3	Nb 5	1275	1034	12	7.98	-	Alloy 718
Alloy 286	S66286	1.4980	AMS 5858	-	A638	-	A638	0.08	15	25	56	1.2	Ti 2	228	252	37.5	7.9	-	Alloy 286
Alloy 617	N06617	2.4663	B168	B167	B166	-	B564	0.15	22	52	1.5	9	Co 13, Al	655	240	30	8.36	AWS ENiCrCoMo-1	Alloy 617
Alloy 750	N07750	2.4699/2.4669	-	AMS 5542	B637	-	B637	0.08	15	73	7	-	Ti Al Nb	790	1170	15	8.25	-	Alloy 750
Alloy 80A	N07080	2.4631/2.4952	-	-	B637	-	B637	0.1	20	76	(3	-	Ti Al	930	620	20	8.19	-	Alloy 80A
Alloy 90	N07090	2.4969/2.4632	AMS 5829	-	-	-	-	0.13	20	60	(1.5	Co	Ti Al	-	-	-	8.18	-	Alloy 90
Alloy 901	N09901	2.4662	-	-	AMS 5660	-	-	0.1	13	42	36	6	Ti 3	741	102.5	9	8.14	-	Alloy 901
Alloy 625	N06625	2.4856	B443	B444/705	B446	B366	B564	0.1	21	62	25	9	Nb 3.5	690	276	30	8.44	AWS ENiCrMo-3	Alloy 625
Alloy 825	N08825	2.4858	B424	B163/423	B425	B366	B425/B564	0.05	21	42	28	3	Cu Ti	586	241	30	8.14	AWS ErNiFeCr-1	Alloy 825
Alloy 925	N09925	-	-	-	-	-	-	-	-	45	(22	3	Cu Ti	150	110	25	8.14	-	Alloy 925
Alloy 31	N08031	1.4562	B625	B619/622	B649	B366	B649/B564	0.015	29	31	-	6.2	Cu N	650	276	40	8.0	-	Alloy 31
Alloy 28	N08028	1.4563	-	B668	-	-	-	0.02	27	31	-	3.5	Cu 1	500	214	40	8.0	-	Alloy 28
Alloy C276	N10276	2.4819	B575	B619/622	B574	B366	B574/B564	0.01	16	57	5.5	16	W 4	690	283	40	8.89	ASW ENiCrMo-4	Alloy C276
Alloy C22	N06022	2.4602	B575	B619/622	B574	B366	B574/B564	0.01	22	56	3	13	Co W 3	690	310	45	8.69	ASW ENiCrMo-13	Alloy C22
Alloy C4	N06455	2.4610	B575	B619/622	B574	B366	B574/B564	0.01	16	65	3	16	Co Ti	690	276	40	8.64	-	Alloy C4
Alloy B2	N10665	2.4617	B333	B619/622	B335	B366	B564	0.01	-	69	-	28	Co	760	350	40	9.22	AWS ENiMo-7	Alloy B2
Alloy B3	N10675	2.4600	B333	B619/622	B335	B366	B564	0.01	1	65	-	28	W 2	760	350	40	9.22	-	Alloy B3
Alloy 59	N06059	2.4605	B575	B619/622	B574	B366	B574/B564	0.01	23	BAL	(1.5	16	Al	690	310	45	8.6	ASW ENiCrMo-13	Alloy 59
Alloy 20	N08020	2.4660	B463	B729/464	B472/B473	B462/B366	B472	0.06	20	34	37	2.5	Cu 3.5 Nb/C 6	551	241	30	8.05	-	Alloy 20
Alloy G3	N06985	2.4619	B582	B619/622	B581	B366	-	0.03	23	44	20	7	Co 2.5 Cu 2	621	241	45	8.14	-	Alloy G3
Alloy 400	N04400	2.4366/2.4360	B127	B163/165	B164	B366	B564	0.15	-	65	1.6	-	Cu 32	195	485	35	8.8	AWS ENiCu-7	Alloy 400
Alloy K500	N05500	2.4375	-	-	BS3076	-	-	0.25	-	65	1.0	-	Cu 30 Al 3 Ti	690	970	15	8.44	AWS ENiCu-7	Alloy K500
Cupronickel 70/30	C71500	2.0882	B171	B466/467	B151	-	B171	0.02	-	31	0.5	-	Cu 68	40	15	30	8.94	-	Cupronickel 70/30
Cupronickel 90/10	C70600	2.0872	B171	B466/467	B151	-	B171	0.03	-	10	0.5	-	Cu 88	45	18	18	8.94	-	Cupronickel 90/10

Cr-Mo Steels

Alloys	UNS	DIN	Plate	Pipe	Bar	Fittings	Flange	Chemistry				T.S *Rm.	Y.S *0.2,	E%	Density	Welding Rod	Alloys	
								C	Cr	Ni	Mo							
31/2Ni	-	3.5Ni	A203-D/E	A333-3	A350-LF3	A420-WPL3	A350-LF3	0.2	-	-	-	NI 3.3	450-585	255	19	7.9	-	31/2Ni
1/2Mo	K11522	16Mo3/15Mo3	A204-B	A335-P1	A182-F1	A234-WP1	A182-F1	0.21	-	-	-	NI 2.10	485-620	275	17	7.75	AWS E7018	1/2Mo
1Cr 1/2 MO	K11597	13CrMo44	A387-12	A335-P12	A182-F12	A234-WP12	A182-F12	0.05	0.8	0.45	-	-	380-550	228	22	7.75	AWS E8016	1Cr 1/2 MO
11/4CR-1/2 Mo	K11562	-	A387-11	A335-P11	A182-F11	A234-WP11	A182-F11	0.05	1.0	0.45	-	-	415-585	241	22	7.75	AWS E8018	11/4CR-1/2 Mo
21-4 Cr -1Mo	K21590	10CrMo910	A387-22	A335-P22	A182-F22	A234-WP22	A182-F22	0.05	2.0	0.9	-	-	415-585	207	18	7.75	AWS E9018	21-4 Cr -1Mo
5Cr-1/2Mo	K41545	-	A387-5	A335-P5	A182-F5	A234-WP5	A182-F5	(0.15	4.0	0.45	-	-	415-585	207	18	7.75	AWS E8015	5Cr-1/2Mo
9Cr-1Mo	S50400	-	A387-9	A335-P9	A182-F9	A234-WP9	A182-F9	(0.15	8.0	0.9	-	-	415-585	207	18	7.8	AWS E8015	9Cr-1Mo
91	S50460	-	A387-91	A335-P91	A182-F91	A234-WP91	A182-F91	0.08	8.0	0.85	V, Cr, N, Al, W	-	585-760	415	18	7.8	AWS E9015	91
92/23	K92460	-	-	A335-P92	A182-F92	-	A182-F92	0.08	9.0	0.45	V, Cr, N, Al, W, B	-	620	440	20	7.8	-	92/93
High Mn	-	1.3401	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-	High Mn

Austenitic stainless steel

Alloys	UNS	DIN	Plate	Pipe	Bar	Fittings	Flange	Chemistry					Y.S	T.S	E%	Density	Welding Rod	Trade name	Alloys
								C	Cr	Ni	Mo	Others							
304/304H	S30409	1.4301/1.4948	A240	A312	A182/A276/A479	A403	A182	0.04	18	9	-	-	250	515-690	40	7.89	AWS E16.8.2	-	304H
304L	S30403	1.4306/1.4307	A240	A312	A182/A276/A479	A403	A182	0.03	18	9	-	-	170	485	40	7.9	-	-	304L
304N	S30451	-	A240	A312	A182/A276/A479	A403	A182	0.08	18	9	-	N	290	590	30	7.9	AWS E308L	-	304N
304LN	S30453	1.4878/1.4311	A240	A312	A182/A276/A479	A403	A182	0.03	18	9	-	N	275	550-750	40	7.9	AWS E308L	-	304LN
321/321H	S32100/S32109	1.4541/1.4941	A240	A312	A182/A479	A403	A182	0.05	18	10	-	Ti	205	515-690	40	7.9	AWS E347/E16.8.2	-	321/321H
347/347H	S34700/S34709	1.4550	A240	A312	A182/A479	A403	A182	0.05	18	10	-	CB	205	515-690	40	8.02	AWS E347/E16.8.2	-	347/347H
316L	S36103	1.4404/1.4436	A240	A312	A182/A276/A479	A403	A182	0.03	17	12	-	-	170	485	40	7.9	-	-	316L
316/316H	S31609	1.4401/1.4436	A240	A312	A182/A276/A479	A403	A182	0.04	17	12	2.1	-	205	515-690	40	7.97	AWS E16.8.2	-	316H
316HMO	-	1.4432	A240	A312	A182/A276/A479	A403	A182	0.03	17	12	2.6	-	220	515-690	45	7.99	-	HighMo 316L	316HMO
316LN	S31653	1.4406/1.4429	A240	A312	A182/A276/A479	A403	A182	0.03	18	11	2.5	N0.15	205	515	40	7.90	AWS E316L	-	316LN
316LUG	316LMod	1.4435	A240	A312	A182/A276/A479	A403	A182	0.02	17	14	2.6	655	190	490-690	40	7.98	-	-	316LUG
316Ti	S31635	1.4571	A240	-	A182/A479	-	A182	0.08	17	12	2.1	Ti	205	510-710	40	7.87	AWS E318	-	316Ti
317L	S31703	1.4438	A240	A312	A182	A403	A182	0.03	19	14	3.1	N0.10	205	520	40	8.03	AWS E317L	-	317L
317LN	S31753	1.4434	A240	-	-	-	-	0.03	19	14	3.5	N0.15	240	550	40	8.03	AWS E317L	-	317LN
317LMN	S31726	1.4439	A240	-	-	-	-	0.03	18	14	4.1	N0.15	240	550	40	8.03	-	1.4439	317LMN
309S	S30908	1.4833	A240	A312	A182/A479	-	A182	0.07	22.5	14	-	-	205	515	40	8.03	-	-	309S
310S	S31008	1.4845	A240	A312	A276/A479	-	-	0.06	25	20	-	-	205	515-750	40	8.03	AWS ER310	-	310S
310MoLN	S31050	1.4466/1.4465	A240	A312	A182/A276/A479	A403	A182	0.02	25	22	2.1	N=0.12/LowSi	240	520	40	7.7	-	-	310MoLN
253	S30815	1.4893	A240	A312	A182/A479	A403	A182	0.08	21	11	-	Si,N,Ce	310	600	40	7.8	ER253MA	253MA	253
353	S35315	1.4854	A240	A312	A182/A479	-	-	0.05	25	35	-	Si,N,Ce	270	650	40	7.83	-	353MA	353
904L	N08904	1.4539	B625	B677	B472/B625	B366	B649	0.02	20	25	4.5	N=0.15 Cu	245	550	40	7.9	E385	2RK65	904L
28	N08028	1.4563	B709	B668	EN10088-3	-	-	0.02	27	31	3.5	Cu	220	500	40	8.2	-	Sanicro28	28
254	S31254	1.4547	A240	A312	A182	A403	A182	0.02	20	18	6.2	N,Cu	350	655	35	7.8	AWS ENiCrMo-3	254SMO	254
6MO-1925	N08926	1.4529	B625	B655/B667	B472/B649	B366	-	0.02	21	24	6.2	N,Cu	295	650	35	7.83	AWS ENiCrMo-4	B26, 1925HMo	6MO-1925
6MO-AL	N08367	-	B688	B690	B472/B691	B366	B564	0.03	21	24	6.2	N0.2 Cu	350	655	40	7.83	AWS ENiCrMo-4	AL6XN	6MO-AL
4565	S34565	1.4565	A240	A312	-	A403	-	0.03	24	17	4.5	Mn4.5 N 0.4	420	795	35	8.3	-	-	4565

Duplex/Super Duplex

Alloys	UNS	DIN	Plate	Pipe	Bar	Fittings	Flange	Chemistry					Y.S	T.S	E%	Density	Welding Rod	Trade name	Alloys
								C	Cr	Ni	Mo	Others							
2304	S32304	1.4424	A240	A790	A276	-	-	0.03	23	4.5	-	N	400	600	25	7.8	-	SAF2304	2304
S31803	S31803	1.4462	A240	A790	A182/A276/A479	A815	A182	0.03	22	5	3	N	480	680	25	7.88	AWS E2209	2205/F51	S31803
S32205	S32205	1.4462	A240	A790	A182/A276/A479	A815	A182	0.03	22	5	3.5	N+	500	700	25	7.88	AWS E2209	2205[Mo+ n+], SAF2205	S32205
S32750	S32750	1.4410	A240	A790	A182/A479	A815	A182	0.03	25	7	4	N	550	760	25	7.8	BS EN 259	SAF2507/F53	S32750
S32760	S32760	1.4501	A240	A790	A182/A276/A479	A815	A182	0.03	25	7	4	N,Cu,W	550	760	25	7.84	BS EN 25	Zeron100/F55	S32760
S32550	S32550/S32520	1.4507	A240	A790	A182/A276/A479	A815	A182	0.03	25	7	4	N,Cu	550	760	25	7.84	AWS E2553	52N+	S32550
329J4L	S31260	-	A240	A790	-	-	-	0.03	25	6.5	3	N0.25W	550	760	25	7.84	-	DP-3	329J4L

Ferritic/Martensitic/Precipitation

Alloys	UNS	DIN	Plate	Pipe	Bar	Fittings	Flange	Chemistry					Y.S	T.S	E%	Density	Welding Rod	Trade name	Alloys
								C	Cr	Ni	Mo	Others							
410S	S41008	1.4006	A240	-	A473	A815	A473	0.08	12.5	-	-	-	245	420-620	60/90	7.7	AWS E410	-	410S
420	S42000	1.4021/1.4007	-	-	A276	-	A314/A												

STOCK AVAILABILITY

■ Nickel alloy

Alloys	UNS	DIN	Trade name	Coil	Plate	Pipe	Bar	Fittings	Flange	Semi Product
Alloy 200	N02200	2.4060	Nickel 200	●	●	●	●	●	●	●
Alloy 201	N02201	2.4068	Nickel 201	●	●	●	●	●	●	●
Alloy 600	N06600	2.4816	Inconel 600	●	●	●	●	●	●	●
Alloy 601	N06601	2.4851	Inconel 601	●	●	●	●	●	●	●
Alloy 690	N06690	2.4642	Inconel 690	●	●	●	●	●	●	●
Alloy 800H/800HT	N08810/08811	1.4876	Inconel 800H/800ht	●	●	●	●	●	●	●
Alloy 718	N07718	2.4668	Inconel 718	●	●	●	●	●	●	●
Alloy 286	S66286	1.4980	Alloy 286							
Alloy 617	N06617	2.4663	Inconel 617							
Alloy 750	N07750	2.4669	Inconel X-750	●	●	●	●	●	●	●
Alloy 80A	N07080	2.4952	Nimonic 80A				●			
Alloy 90	N07090	2.4632	Nimonic 90							
Alloy 901	N09901	2.4662	Nimonic 901				●			
Alloy 625	N06625	2.4856	Inconel 625	●	●	●	●	●	●	●
Alloy 825	N08825	2.4858	Incoloy 825	●	●	●	●	●	●	●
Alloy 925	N09925									
Alloy 31	N08031	1.4562	Alloy 31							
Alloy 28	N08028	1.4563	Sanicro 28			●				
Alloy C276	N10276	2.4819	Hastelloy C276	●	●	●	●	●	●	●
Alloy C22	N06022	2.4602	Hastelloy C22	●	●	●	●	●	●	●
Alloy C4	N06455	2.4610	Hastelloy C4							
Alloy B2	N10665	2.4617	Hastelloy B2	●	●	●	●	●	●	●
Alloy B3	N10675	2.4600	Hastelloy B3	●	●	●	●	●	●	●
Alloy 59	N06059	2.4605	Alloy 59							
Alloy 20	N08020	2.4660	20Cb-3	●	●	●	●	●	●	
Alloy G3	N06985	2.4619	Hastelloy G3							
Alloy 400	N04400	2.4360	Monel 400	●	●	●	●	●	●	●
Alloy K500	N05500	2.4375	Monel K500				●			
Cupronickel 70/30	C71500	2.0882	Cu-Ni 70/30		●					
Cupronickel 90/10	C70600	2.0872v	Cu-Ni 90/10		●					

Cr-Mo Steels

STOCK AVAILABILITY

Austenitic stainless steel

Alloys	UNS	DIN	Trade name	Coil	Plate	Pipe	Bar	Fittings	Flange	Semi Product
304/304H	S30409	1.4948		●	●	●	●	●	●	●
304L										
304N	S30451				●					
304LN	S30453	1.4311			●		●			
321/321H	S32100/S32109	1.4541/1.4941		●	●	●	●	●	●	●
347/347H	S34700/S34709	1.4550		●	●	●	●	●	●	●
316L										
316/316H	S31609	1.4436		●	●	●	●	●	●	●
316HMO		1.4432	HighMo 316L							
316LN	S31653	1.4429								
316LU.G	316LMod	1.4435								
316Ti	S31635	1.4571		●	●	●	●		●	●
317L	S31703	1.4438		●	●	●	●	●	●	●
317LN	S31725	1.4434		●	●	●	●	●		
317LMN	S31726	1.4439	1.4439	●	●	●	●	●		
309S	S30908	1.4833		●	●	●	●			
310S	S31008	1.4845		●	●	●	●			
310MoLN	S31050	1.4466/1.4465								
253	S30815	1.4893	253MA	●	●					
353	S35315	1.4854	353MA	●	●					
904L	N08904	1.4539	2RK65	●	●	●	●	●	●	●
28	N08028	1.4563	B26, 1925HMo							
254	S31254	1.4547	254SMO	●	●	●	●	●	●	●
6MO-1925	N08926	1.4529	B26, 1925HMo	●	●	●	●	●	●	
6MO-AL	N08367		AL6XN	●	●	●	●	●	●	●
4565	S34565	1.4565								

Duplex/Super Duplex

Alloys	UNS	DIN	Trade name	Coil	Plate	Pipe	Bar	Fittings	Flange	Semi Product
2304	S32304	1.4424	SAF2304							
S31803	S31803	1.4462	2205/F51	●	●	●	●	●	●	●
S32205	S32205	1.4462	2205[Mo+ n+], SAF2205	●	●	●	●	●	●	●
S32750	S32750	1.4410	SAF2507/F53	●	●	●	●	●	●	●
S32760	S32760		Zeron100/F55	●	●	●	●	●	●	●
S32550	S32550/S32520	1.4507	52N+		●					
329J4L	S31260		DP-3	●	●					

Ferritic/Martensitic/Precipitation

Alloys	UNS	DIN	Trade name	Coil	Plate	Pipe	Bar	Fittings	Flange	Semi Product
410S	S41008	1.4006		●	●					
420	420	1.4021								
405	S40500	1.4002		●	●					
41500	S41500	1.4313								
15-5PH	S15500		Aged condition							
17-7PH	S17400/630	1.4542	Aged condition							

Korea

Gaya Special Steel Corporation
#1629-12. Songjeong-Dong, Gangseo-Gu, Busan, 618-819, Korea
Tel. +82-518319041 Fax. +82-518319333
URL. <http://www.gayasteel.com>

Netherlands

Gaya Special Steel BV

UAE

GSS MIDDLE EAST

Malaysia

AARYKIN SPECIAL STEEL SDN BHD 16B, Jalan Anggerik Vanilla M31/M,
Kota Kemuning, 40460 Shah Alam. Selangor, Malaysia
Tel : +603-51240748 Fax : +603-51240733

Thailand

J&J Advanced Products (Thailand) Co.,Ltd
32nd Floor, Thai CC Tower, 889 South Sathon Bangkok 10120, Thailand
Tel. +662-6756286 Fax. +662-6756289
URL. <http://www.Jap-Thailand.com>

• Head Office & Warehouse



• No. 2 Warehouse & Fabrication

