CERTIFIED ISO 9001:2015 COMPANY

MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES
MSME NO.MH-19-0325746

DELTA SUPERALLOYS LLP

"YOUR TRUSTED SOURCE FOR HIGH-PERFORMANCE ALLOYS"

DELTA SUPERALLOYS LLP IS SETTING NEW STANDARDS WHILE OTHERS FOLLOW.

- INCONEL 600
- INCONEL 625
- INCONEL 800
- INCONEL 825
- HASTELLOY C 276
- MONEL K 500
- HASTELLOY C 22
- MONEL 400
- HASTELLOY B2 / B3
- HASTELLOY X
- ALLOY L 605
- ALLOY 20
- INCONEL 718
- INCONEL X 750
- NIMONIC 80 A
- SUPER DUPLEX
- TITANIUM GR. 5
- SMO 254
- 904 L

DELTA SUPERALLOYS LLP

"YOUR TRUSTED SOURCE FOR HIGH-PERFORMANCE ALLOYS"

BUSINESS PROFILE

We At **Delta Superalloys LLP** Are Committed To Offering The Industry's Finest Raw Materials And Forged Products Made From Nickel Alloys. As A Leading Exporter, Importer, Stockist, And Supplier, We Play A Key Role In Sourcing Premium High-performance Alloys. We Are A One Stop Solution For All Nickel Alloy Requirements In The Aerospace, Oil & Gas, Chemical, And Pharmaceutical Industries.

Our Robust Expertise In The Industry Enables Us To Understand Client Needs And Assisting With Customized Solutions To All Types Of Clientele Requirements.

PRODUCT RANGE

- HASTELLOY
- MONEL
- INCONEL
- COBALT (Nickel Alloy)
- SMO
- INCOLOY
- TITANIUM
- DUPLEX
- NIMONIC
- ALLOY 20

DELIVERY FORMS

- FORGINGS
- ROUND BARS
- PLATES
- PIPES
- SHEETS
- TUBES
- FLANGES
- FASTENERS
- WIRES
- FLAT BARS
- SHIMS (COILS)
- RINGS
- HEX BARS
- FITTINGS

INDUSTRIAL APPLICATIONS


AEROSPACE


OIL & GAS


CHEMICAL IND.


PETROCHEMICAL & REFINERIES


POWER GENERATION


INDUSTRIAL EQUIPMENT MANUFACTURING

SERVICES

- PMI, SPECTRO & ULTRASONIC TESTING.
- HIGH QUALITY PROPER PACKING & LOGISTICS.
- FORGING, WELDING, ROLLING & POLISHING.
- PLASMA, LASER, WATERJET CUTTING & SLITTING.
- CUSTOMIZED MANUFACTURING CAPABILITIES ACCORDING TO CLIENT'S DRAWINGS AND SPECIFICATIONS.

OUR MISSION:

To be a trusted partner in the supply chain, delivering superior nickel alloys and forging solutions that drive innovation and success for our clients.

OUR VISION:

To lead the industry in quality and service, offering the most advanced materials and solutions to support the demanding needs of our global customers.

OUR VALUES:

Offering Competitive pricing, without comprising on quality is the core principle at Delta Super Alloys.

info@deltasuperalloys.com | www.deltasuperalloys.com

INCONEL 600

INCONEL 600 (UNS N06600) is a nickel-chromium alloy known for its exceptional resistance to high temperatures and corrosion. It is widely used in aerospace for components like gas turbines and exhaust systems, in chemical processing for heat exchangers and reactors, in nuclear power for reactor parts and steam generators, and in the marine industry for seawater pumps and hardware. Its strength and durability make it ideal for demanding environments across these diverse sectors.

INCONEL 625

Inconel 625 (UNS N06625) is a nickel-chromium-molybdenum alloy known for its exceptional resistance to high temperatures and corrosion. It maintains its strength and oxidation resistance up to 2,000°F (1,093°C). Commonly used in aerospace components, chemical processing equipment, and marine applications, it offers excellent fatigue and thermal-fatigue strength, making it suitable for demanding environments.

HASTELLOY C276

Hastelloy C276 (UNS N10276) is a nickel-molybdenum-chromium alloy known for its outstanding resistance to oxidation, corrosion, and stress-corrosion cracking. It performs well in extreme environments, including high-temperature chemical processing and marine applications. With its exceptional durability and strength, Hastelloy C276 is ideal for use in reactors, heat exchangers, and other critical components exposed to harsh conditions.

HASTELLOY C22

Hastelloy C22 (UNS N06022) is a nickel-chromium-molybdenum-tungsten alloy renowned for its superior resistance to oxidation, corrosion, and pitting. It performs exceptionally well in highly corrosive environments, including chemical processing and marine applications. Its high strength and durability make it ideal for use in harsh conditions such as reactors, heat exchangers, and other critical components.

HASTELLOY X

Hastelloy X (UNS N06002) is a nickel-chromium-molybdenum alloy known for its excellent high-temperature strength, oxidation resistance, and thermal stability. It is commonly used in aerospace and industrial gas turbines, exhaust systems, and other components exposed to extreme temperatures. Its durability and performance under harsh conditions make it ideal for high-stress applications.

HASTELLOY B2 / B3

Hastelloy B2 (UNS N10665) and Hastelloy B3 (UNS N10675) are nickel-molybdenum alloys known for their superior resistance to hydrochloric acid and other corrosive environments. Hastelloy B2 provides exceptional durability in severe chemical conditions, while Hastelloy B3 offers improved resistance to oxidative conditions and enhanced mechanical properties. Both alloys are ideal for use in chemical processing equipment, including reactors and pumps, where resistance to aggressive acids and corrosion is crucial.

MONEL 400 / K-500

Monel 400 / K-500 : Monel 400 (UNS N04400) is a nickel-copper alloy known for its excellent resistance to seawater, acids, and alkalis, combined with good mechanical properties. Monel K-500 (UNS N05500) is an age-hardened version of Monel 400, offering increased strength and hardness while maintaining similar corrosion resistance. Both alloys are widely used in marine engineering, chemical processing, and aerospace applications where durability and resistance to harsh environments are essential.

ALLOY L605

Alloy L605 (UNS R30605) is a cobalt-chromium-tungsten alloy known for its high strength, oxidation resistance, and stability at elevated temperatures. It is commonly used in aerospace applications, including turbine blades and exhaust components, where it endures extreme conditions. Its superior performance in high-temperature environments makes it ideal for demanding applications requiring both durability and resistance to thermal degradation.

INCONEL 718

Inconel 718 (UNS N07718) is a high-strength nickel-chromium alloy known for its exceptional performance at elevated temperatures. It offers excellent fatigue and oxidation resistance, making it ideal for aerospace, gas turbines, and industrial applications requiring high stress and temperature stability. Its ability to retain strength and durability under extreme conditions makes it a preferred choice for critical components.

TITANIUM GR 5

Titanium Gr. 5 (UNS R56400) is a titanium alloy featuring a composition of 90% titanium, 6% aluminium, and 4% vanadium. Known for its high strength-to-weight ratio, excellent corrosion resistance, and good weldability, it is commonly used in aerospace, marine, and industrial applications. Its superior mechanical properties make it ideal for demanding environments where strength and durability are crucial.

NIMONIC 80A

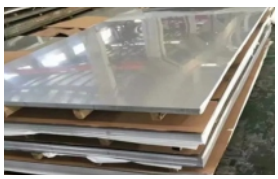
Nimonic 80A (UNS N07080) is a nickel-chromium alloy known for its exceptional high-temperature strength and oxidation resistance. It is commonly used in aerospace and industrial gas turbines, where it withstands extreme temperatures and harsh conditions. Its durability and ability to maintain mechanical properties under stress make it ideal for critical components in high-performance environments.

INCONEL 800 & INCONEL 825

Inconel 800 (UNS N08800) and Inconel 825 (UNS N08825) are nickel-chromium alloys with excellent high-temperature and corrosion resistance. Inconel 800 is used for heat exchangers and furnaces, while Inconel 825 offers superior resistance to acids, making it ideal for chemical processing. Both alloys maintain strength and durability in extreme environments.

SUPER DUPLEX, SMO 254, 904L, ALLOY 20 & NICKEL 201

Super Duplex (UNS S32750) is a stainless steel known for its high strength and excellent resistance to corrosion and pitting, suitable for harsh environments like oil and gas. SMO 254 (UNS S31254) offers superior resistance to pitting and crevice corrosion, making it ideal for marine and chemical applications. 904L (UNS N08904) is a highly alloyed stainless steel with exceptional resistance to acids, used in chemical and petrochemical industries. Alloy 20 (UNS N08020) provides excellent resistance to sulfuric acid and other corrosive environments, commonly used in chemical processing. Nickel 201 (UNS N02201) is a pure nickel alloy with good corrosion resistance and is ideal for applications requiring high thermal and electrical conductivity.





			CHEMICAL ANALYSIS														Physical Properties at Room Temp			
GRADE	WERKS TOFF	UNS	Ni	Cr	Co	Mo	Fe	Cu	Nb	Al	Ti	C	S	Si	Mn	others	TENSILE STRENGTH Rm (Mpa)	Yield strength RpO,2 (Mpa)	Elongation A%	Density (g/cm3)
Hastelloy X	2.4665	N06002	Remainder	20.5-23	0.5-2.5	8 -10	17-20	0.5 Max	–	0.5 Max	0.15 Max	0.05-0.15	0.03 Max	1 Max	1 Max	P-0.04 Max / W-0.2-1 / B-0.008 Max	755	385	49.50%	8.22
Hastelloy B2	2.4617	N10665	69	1	1	28	2	–	–	–	–	0.01	–	0.1	1	–	914	396	40%	9.22
Hastelloy C22	2.4602	N06022	Remainder	20-22.5	2.5 Min	12.5-14.5	2 - 6	–	–	–	–	0.015 Max	0.02 Max	0.08 Max	0.5 Max	W - 2.5-3.5 / V - 0.35 Min / P - 0.02 Max	690	310	45	8.69
Hastelloy C276	2.4819	N10276	57.00	14.5-16.5	2.50	15-17	4 - 7	–	–	–	–	0.01	0.01	0.08	1	W - 3 - 4.5 / V - 0.35 / P - 0.025	690	285	40	8.89
Inconel 718	2.4668	N07718	50.0 -55.0	17.0 - 21.0	1.00 Max	2.80-3.30	Bal	0.30 Max	4.75-5.50	0.20-0.80	0.65-1.15	0.08 Max	0.015 Max	0.35 Max	0.35 Max	P - 0.015 Max / B - 0.006 Max / Ta - 0.05 Max	1240	1034	25	8.19
Inconel 600	2.4816	N06600	72.00	14.0 - 17.0	–	–	6.0 - 10.0	0.5 Max	–	0.3 Max	0.3 Max	0.05 -1.50	0.015 Max	0.5 Max	1.0 Max	B - 0.006 Max / P - 0.015 Max	550	240	30	8.47
Inconel 601	2.4851	N06601	58.0 - 63.0	21.0 - 25.0	–	–	Bal	1 Max	–	1.0 -1.7	–	0.1 Max	0.015 Max	0.5 Max	1.0 Max	–	550	205	30	8.17
Inconel 625	2.4856 2.4831	N06625	58.00 Min	20 - 23	1 Max	8 - 10	5 Max	–	3.15 - 4.15	0.4 Max	0.4 Max	0.10 Max	0.015 Max	0.5 Max	0.5 Max	P - 0.015 Max	827	414	40	8.44
Inconel 800	1.4876	N08800	30 - 35	19 - 23	–	–	39.5 Min	0.75 Max	–	0.15 - 0.60	0.15 - 0.60	0.10 Max	0.01 Max	1.00 Max	1.5 Max	–	515	210	30	7.94
Inconel 825	2.4858	N08825	38 - 46	19.5 - 23.5	–	2.5 - 3.5	22.0 Min	1.5 - 3.0	–	0.2 Max	0.6 - 1.2	0.05 Max	0.03 Max	0.5 Max	1.0 Max	–	586	241	30	8.14
Inconel X-750	2.4669	N07750	70.00 Min	14.0 - 17.0	1.00 Max	–	5.0 - 9.0	0.5 Max	0.70 - 1.20	0.40 - 1.0	2.25 - 2.75	0.08 Max	0.01 Max	0.50 Max	1.00 Max	–				8.28
Monel 400	2.4360	N04400	63.00 Min	–	–	–	2.5 Max	28.0 - 34.0	–	–	–	0.3 Max	0.024 Max	0.5 Max	2.0 Max	–	550	275	30	8.80
Monel K-500	2.4375	N05500	63.00 Min	–	–	–	2.0 Max	27.0 - 33.0	–	2.30 - 3.15	0.35 - 0.85	0.25 Max	0.01 Max	0.5 Max	1.5 Max	–				8.44
Alloy L-605	2.4964	R30605	9.0 - 11.0	19.0-21.0	Bal	–	3.0 Max	–	–	–	–	0.05 - 0.15	0.03 Max	0.40 Max	1.0 - 2.0	P - 0.04 Max / W - 14.0 - 16.0				9.1344
Nickel 200	2.4066 2.4060	N02200	99.00 Min	–	–	–	0.40 Max	0.25 Max	–	–	–	0.15 Max	0.010 Max	0.35 Max	0.35 Max	–	415	105	35	8.89
Alloy 20	2.4660	N08020	32.0-38.0	19.0-21.0	–	2.0 - 3.0	Bal	3.0 - 4.0	1.0 Max	–	–	0.07 Max	0.035 Max	1.0 Max	2.0 Max	P - 0.045 Max	655	240	35	8.1
Nimonic 80A	2.4952 2.4631	N07080	Bal	18.0-21.0	2.0 Max	–	3.0 Max	0.2 Max	–	1.0 - 1.8	1.8 - 2.7	0.10 Max	0.015 Max	1.0 Max	1.0 Max	B - 0.008 Max / Zr - 0.15 Max				8.19
904L	1.4539	N08904	23 - 28	19 - 23	–	4 - 5	Bal	1 - 2	–	–	–	0.02 Max	0.035 Max	1.0 Max	2.0 Max	P - 0.045 Max				7.95
Duplex 2205	1.4462	S32205	4.5 - 6.5	22.0 - 23.0	–	3.0 - 3.5	Bal	–	–	–	–	0.03 Max	0.02 Max	1.00 Max	2.0 Max	P - 0.030 Max / N - 0.14 - 0.20	620	450		7.8
Super Duplex 32750	1.4410	S32750	6.0 - 8.0	24.0 - 26.0	–	3.0 - 3.5	Bal	0.5 Max	–	–	–	0.03 Max	0.02 Max	0.80 Max	1.20 Max	P - 0.035 Max / N - 0.24 - 0.32				7.8
SMO 254	1.4547	S31254	17.5 - 18.5	19.5 - 20.5	–	6.0 - 6.5	–	0.5 - 1.0	–	–	–	0.02 Max	0.01 Max	0.8 Max	1.0 Max	P - 0.03 Max / N - 0.18 - 0.22				8

Disclaimer : Inconel, Monel, Hastelloy are registered trademark of Specific manufacturer, name are listed for reference to help identity of the grade.

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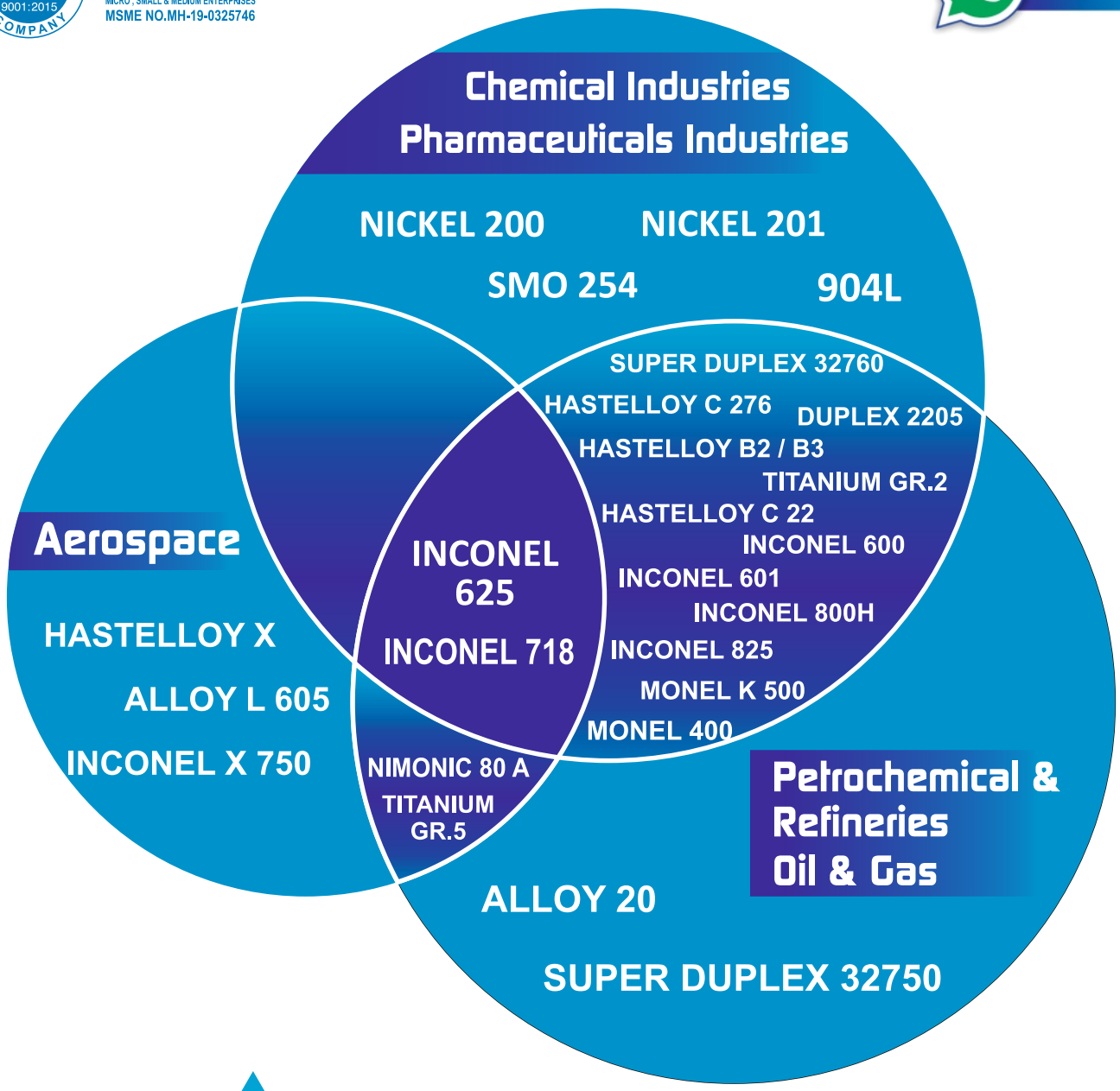

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"YOUR TRUSTED SOURCE FOR HIGH-PERFORMANCE ALLOYS"

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